

**Exterior Building Color & Material Samples**

**Color Drawdowns**

**Archaeological Resources**

**Airport Vicinity Development Checklist**

**Parking Study**

**Trip Generation Comparison**

**Parking Master Plan**

# **Addendum #9**

## **Biohazard Waste Information and Contract for Services**



# AGREEMENT FOR SERVICES

Making People and The Environment Our Priority!

Phoenix, AZ 85122  
602.305.8888  
ArizonaMedicalWaste.com

The following agreement for **REGULATED BIOHAZARDOUS** Medical Waste Services has been made between Arizona Medical and

BILLING INFORMATION		SERVICE INFORMATION	
Name:	RAIN STRATEGIES	Name:	SAME
Address:	7655 E EVANS RD SUITE 5 SCOTTSDALE , AZ 85260	Address:	
Phone:	480-842-1681	Phone:	
Billing Email:	jen@rainstrategies.com	Email:	JEN@RAINSTRATEGIES.COM
Contact:	JENNIFER GOTE	Contact:	Jen Gote

## Services to be Provided:

Removal and transportation of Bio-Hazardous Medical Waste, to a licensed and authorized Medical Waste processing and disposal facility, for the following fee(s) of:

REGULATED BIOHAZARDOUS MEDICAL WASTE				
Service Frequency:	Every Week			
Container Size:	32 Gallon Bio			
Containers per Service:	1			
Cost per Service:	\$75.00			
Additional Container Cost:	\$75.00			

SPECIAL WASTE SERVICES				
Waste Type:				
Service Frequency:				
Container Size:				
Cost per Container:				



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## Service Location Hours

Lunch Hours: NONE to NONE

Monday	Tuesday	Wednesday	Thursday	Friday
8:00 AM - 5:00 PM	8:00 AM - 5:00 PM	8:00 AM - 5:00 PM	8:00 AM - 5:00 PM	8:00 AM - 5:00 PM

## SPECIAL COMMENTS - SERVICE NOTES

1-32 GALLON BIO WASTE CONTAINER PICKED UP WEEKLY \$75.00 EACH ADDITIONAL CONTAINER PICKUP PER 32 GALLON \$75.00 .  
2 CONTAINERS WILL BE DELIVERED ONE FOR OVERFLOW IF NEEDED.

### Optional Online OSHA Compliance Training:



Blood Borne Pathogen Training - HIPPA Training - OSHA Training - DOT Training - HAZCOM Training - Millions of MSDS numbers - Transition from ICD 9 to ICD 10 - Mock Safety Audits and Inspections - Safety Plans - Federal Regulations etc.

The Generator agrees to the terms and conditions set forth herein.

Signature: Jennifer gote  
Jennifer gote (Sep 10, 2018)

Date: Sep 10, 2018

Printed Name: Jennifer gote

Title: President

### Arizona Medical Services

Signature: Diana DiVello

Date: Sep 10, 2018

Printed Name: Diana DiVello

Title: VP





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- Standard Service fee includes: Service call, 50 pounds of material in each box/container or red bag. Weight over the include pounds will incur an additional charge of \$1.25/pound.  
A one-time set-up Fee of \$25.00 is added to all new accounts to cover admin and container delivery cost.
- Pharmaceutical/Chemo/Path Service fee includes: Service call and removal of up to 20 pounds of material. Weight over the allowed 20 pounds will incur an additional charge of \$1.95/pound.
- All sharps containers 5 gallons and over will be considered a separate box/container.
- Additional supplies are available for purchase separately and will be priced accordingly.

## Definitions:

Term	Definition
AMW	Arizona Medical Services, LLC
Generator	The business listed on page (1) that is contracting for bio-medical waste removal and transportation
Regulated Medical Waste	Regulated Medical Waste shall include only those wastes defined by the United States Environmental Protection Agency (USEPA) as infectious waste in its guide for infectious waste management #EPA/530-SW-86-014, May 1986 or defined by the USEPA as medical wastes in 40 CFR 25930. The Term Regulated Medical Waste specifically excludes: fetal remains and human torsos; corrosive, reactive, radioactive toxic and other hazardous wastes and substances as defined in any applicable federal, state, county or municipal laws, regulations and guidelines.
Bio-medical waste	Any regulated medical waste

**Medical Waste, Collection, Processing and Disposal Services:** Arizona Medical Waste, LLC shall collect, transport, treat and dispose of Bio-hazardous Medical Waste generated by Customer during the term of this Agreement. Bio-hazardous Medical Waste means sharps, hypodermic needles, syringes, microbial cultures, tissue cultures, animal tissues or organs, animal carcasses, animal bedding, laboratory containers and slides that meet the definition of regulated medical waste under 29 CFR 1910.1030 or 49 CFR 173.134 and infectious substances arising from those agents listed under 42 CFR 72.3 as well as trace non-hazardous Chemotherapy Waste. Non-hazardous Chemotherapy Waste is defined as discarded items which have been contaminated by chemotherapeutic, cytotoxic, or antineoplastic drugs and/or agents, provided that such items, including vials and syringes, shall be empty as defined in applicable federal, state, county or municipal laws, regulations and guidelines. Bio-hazardous Medical Waste does not include, and shall be handled differently, if at all by Arizona Medical, waste not falling within the definition of Bio-hazardous Medical Waste, including but not limited to human torsos, radioactive, reactive, corrosive, ignitable or toxic wastes and any and all other hazardous waste and substance as defined in applicable federal, state, county, or municipal laws, regulations and guidelines, and pharmaceutical materials and finally, improperly packaged Bio-hazardous Medical Waste. Customer is solely responsible for properly sorting, packaging, and labeling Bio-hazardous medical and special waste as described in this agreement. Arizona Medical may at its discretion refuse to accept improperly packaged, labeled or classified waste. Customer shall have title of non-conforming waste at all times. Title of Bio-hazardous medical and other waste shall transfer to Arizona Medical at the time the waste is loaded on the Arizona Medical truck and not before.

## Terms and Conditions

**Disposal Services:** The Generator will conform to all requirements associated with the storage and removal of bio-medical waste. This includes, but is not limited to, providing easy access for waste removal and compliant storage area as well as ADEQ rules and regulations. Generators will be responsible for employees or any persons connected with this waste to be advised of the proper container use, packaging, storage, and record keeping of such material. No sharps of any kind are to be placed in red bags or corrugated cardboard boxes. All sharps MUST be placed in compliant sharps containers. AMW is not permitted to transport improperly packaged waste, in accordance with state regulations. AMW reserves the right to refuse acceptance of any Regulated Medical Waste that in AMW judgment cannot be treated and/or disposed of in a lawful manner; or, without a risk to harm of public health or to the environment. Improperly packaged, leaking, overweight, or damaged containers are subject to rejection, or to off-specification charges, for repackaging and/or special handling. No container will be processed that is wet or leaking. All expenses for improper packaging of bio-medical waste will be the sole responsibility of the Generator. These fees may include, but are not limited to, packaging material, additional Service fee if a rescheduled pick-up is required, or per hour wait time for AMW personnel.

**Term and Termination:** This agreement is a legal and binding contract for three (3) years beginning on the effective starting date, as noted on page 2 of this agreement. This agreement shall automatically renew for successive terms, equal to the original term, thereafter unless the Generator provides certified written notification not more than 180 days and not less than 60 days prior to the expiration of this agreement. AMW may cancel this contract for cause or convenience. AMW may suspend this agreement and any Services there under, if Generator repeatedly fails to perform in accordance with any provisions of this agreement. Upon the curing of all defaults by Generator and recovery of any damages sustained thereby, AMW may reinstate Service pursuant to the agreement for the remainder of its term. AMW reserves the right to adjust the contract price to account for operational changes it implements to comply with documented changes in law, to cover increases in the cost of insurance, disposal, fuel, or to otherwise address cost escalation in processing or otherwise. In the event the Generator terminates Services under this agreement prior to the expiration of the term hereof, or fails to perform in accordance with this agreement, AMW shall have, without limitation, all rights and remedies provided by law or in equity, as well as the right to recover the following amounts which the parties acknowledge constitutes AMW's liquidated damages and not a penalty: If the remaining term under this agreement is twelve (12) or more months, the Generator shall pay 50% of the remaining monthly charges; or, if the remaining term under this agreement is less than six (6) months the Generator shall pay its monthly charges multiplied by the number of months remaining in the term. The parties agree that no provision of this agreement shall negate the Generators obligation to pay for Services rendered. Any obligation to pay for Services rendered shall survive termination of this agreement. The Generator grants AMW a right of first refusal to match any offer which the Generator receives after the completion of any term of this agreement relating to any Services provided hereunder and further agrees to give AMW prompt written notice with documentation of such offer and a reasonable opportunity to respond to it.

**Billing:** AMW shall provide the Generator with monthly invoices that are due upon receipt. The Generator/Customer agrees to pay an interest rate of 1.5% on any amounts owed AMW that are not received within 30 days from the invoice date. Any billing disputes must be raised in writing by the Generator within 30 days of billing, or dispute shall be waived by the Generator. Accounts that are over 45 days past due will be considered delinquent and appropriate action will be taken to recover payments. The Generator will pay all costs incurred by AMW in the collection of a delinquent account, to include court costs, attorney fees, collection fees, etc. All action for collection will be filed in Maricopa County, Arizona. Accounts not kept current may be placed on pay in advance of Service status and or AMW reserves to suspend Service for non-payment until account is paid in full to resume Service.





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**Surcharges:** AMW may also impose a surcharge in the event that AMW attempts to pick up waste at the Generator's location (for a scheduled collection or a Generator request), and, through no fault of AMW, there is no waste to be picked up, the waste is not ready for pick up, or the Generator's location is closed.

**Level of Performance:** AMW shall not be responsible if its performance of this agreement is interrupted or delayed by contingencies beyond its control, including, without limitation, acts of God, war, blockades, riots, explosions, strikes, lockouts or other labor or industrial disturbances, fires, accidents to equipment, injunctions or compliance with laws, regulations, guidelines or orders of any governmental body or instrumentality thereof (whether now existing or hereafter created).

**Liability Insurance:** AMW has in place and agrees to maintain professional liability and pollution insurance covering AMW and all of the AMW's employees, agents, and offices. A copy of the liability and pollution insurance policy is available upon request.

**Liability for Equipment:** Customer acknowledges that it has the care, custody and control of containers and other equipment owned by AMW and accepts responsibility and liability for the equipment and its contents except when it is being physically handled by employees of AMW. Therefore, Customer expressly agrees to defend, indemnify and hold AMW harmless from and against any and all claims for loss or damage to property, injury to or death of person or persons resulting from or arising in any manner out of Customer's use, operation, or possession of any containers and/or other equipment furnished under this agreement.

**Indemnification:** the Generator (listed above), its successors and assignors, hereby agrees to save and hold harmless AMW, its officers or employees, and all of whom while working within their respective authority, from all cost, injury and damage incurred by any of the above, and from any other injury or damage to any person or property whatsoever, and of which is caused by an activity, condition or event arising out of the performance, preparation for performance or nonperformance of any provision of this agreement by AMW, its agents, or any of its independent contractors. The above cost, injury, damage or other injury or damage incurred by or to any of the above shall include, in the event of an action, court cost, expenses of litigation and reasonable attorney's fees. This save harmless clause is not intended to indemnify against any cost or damage, or portion thereof, caused by AMW, its officers or employees.

**Title:** Title to bio-medical waste collected from the Generator shall be transferred to and vested in AMW at the time that the bio-medical waste is fully loaded into the AMW vehicle, and AMW has departed from the Generator's premises. Prior thereto, all title to the bio-medical waste shall be with the Generator. Title to any waste other than that Regulated Medical Waste shall remain with the Generator.

**HIPAA Statement:** AMW is committed to complying with the Standards for Privacy of Individually Identifiable Health Information as set forth under the Health Insurance Portability and Accountability Act of 1996 (HIPAA). AMW understands that information may only be used and disclosed for purposes of treatment, payment and health care operations without individual consent.

**Headings:** The headings of the sections in the agreement are for convenience only and shall not, expressly or implicitly, limit, define, extend or construe the terms, provisions, or any part of their contents.

**Notices:** Any notices required pursuant to this Agreement shall be in writing and shall be deemed to have been given when delivered in person; or, if delivered by first-class U.S. Mail, the third day after the date mailed, postage prepaid and properly addressed to the appropriate party; or, if sent by facsimile transmission, on the date sent, properly designated to the appropriate party at the correct facsimile number, but such notice is only effective if a confirmation of receipt is retained by the sender. For purposes of mailing, the address for AMW is set forth in the first paragraph of this agreement and can change from time to time as reflected on the billing invoice and the Customer's address shall be the same as the billing address. If the address for the Customer is different from the billing address set forth at the beginning of this Agreement, Customer shall provide the address in writing to AMW. Any change of address for either party shall be effective upon receipt of a written notice to the other party specifically stating that the change of address is applicable to the notice provisions in this Agreement. The parties shall provide each other with the names of all designees that will receive notices pursuant to this Agreement.

**Additional Locations:** In the event Customer acquires, leases, takes control or otherwise adds a new location generating a Medical Waste in an area Serviceable by Arizona Bio Waste, Customer shall notify AMW and that location shall receive the same discounted group Service rates. In the event any new location is party to an existing agreement for Services similar to the Services by a vendor other than AMW, Customer will use reasonable efforts to terminate such agreement as soon as possible and such location shall immediately become a Customer location upon the expiration of such agreement.

**Assignments and Successors:** This Agreement is assignable by either party. In the event that this Agreement is assigned, the assigning party agrees to notify the other party in writing as outlined in "Notices" above.

**Originals:** A copy, facsimile, or scan transmitted via email of this agreement shall be as effective as an original.

**Governing Law:** This agreement shall be governed by and construed in accordance with the laws of the State of Arizona and effect of this agreement; any disputes pertaining to it shall be adjudicated in the state courts of Arizona. This agreement and its subject matter have substantial contacts with Arizona, and all actions, suits, or other proceedings with respect to this agreement shall be brought only in the court of competent sitting in San Diego County, Arizona, or in the federal district court having jurisdiction over that county.

## State of Arizona Requirement.

Medical Waste rules and regulations require that your waste be removed at a **Minimum of every 90 days.**

"Store bio hazardous medical waste for 90 days unless the generator has obtained a facility plan approval under A.R.S. S 49-762.04 and is in compliance with the design and operational requirements prescribed in R18-13-1412."

[http://www.azdeq.gov/environ/waste/solid/download/bio\\_medical\\_waste.pdf](http://www.azdeq.gov/environ/waste/solid/download/bio_medical_waste.pdf)

**Governing Law:** This agreement shall be governed by and construed in accordance with the laws of the **State of Arizona** and effect of this agreement; any disputes pertaining to it shall be adjudicated in the state courts of Arizona. This agreement and its subject matter have substantial contacts with Arizona, and all actions, suits, or other proceedings with respect to this agreement shall be brought only in the court of competent sitting in a local County, Arizona, or in the federal district court having jurisdiction over that county.



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**Credit Card Authorization Form**

Cardholder's Name \_\_\_\_\_

Name of Company \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

I hereby authorize Arizona Bio Waste Disposal to charge the Following Credit Card for Charges incurred:

Credit Card Type: \_\_\_\_\_

Card Number: \_\_\_\_\_

Expiration: \_\_\_\_\_ CVC: \_\_\_\_\_

Name (Print) \_\_\_\_\_

Signature \_\_\_\_\_ Date Sep 10, 2018



**AGREEMENT FOR SERVICES**

The following agreement is made between the undersigned Medical Waste Services and the undersigned Medical Waste Generator.

BILLING INFORMATION		SERVICE INFORMATION	
Name:		Name:	
Address:		Address:	
Phone:		Phone:	
City/State:		City/State:	
Zip:		Zip:	

Signature of the Provider: \_\_\_\_\_  
 Signature of the Medical Waste Services Representative: \_\_\_\_\_

REGULATED BIOHAZARDOUS MEDICAL WASTE	
Quantity (gallons):	
Quantity (pounds):	
Quantity (cubic feet):	
Quantity (cubic yards):	
Quantity (cubic meters):	
Quantity (cubic feet):	
Quantity (cubic yards):	
Quantity (cubic meters):	

SPECIAL WASTE SERVICES	
Quantity (gallons):	
Quantity (pounds):	
Quantity (cubic feet):	
Quantity (cubic yards):	
Quantity (cubic meters):	
Quantity (cubic feet):	
Quantity (cubic yards):	
Quantity (cubic meters):	

# Arizona Medical Waste

Adobe Sign Document History

09/10/2018

Created: 09/10/2018

By: Diana DiVello (diana@medicalwastedisposal.com)

Status: Signed

Transaction ID: CBJCHBCAABAA4e7NYpmXdxzZxIFmCAH5Rn8oD2leKWMk

## "Arizona Medical Waste" History

- Document created by Diana DiVello (diana@medicalwastedisposal.com)  
09/10/2018 - 11:28:02 AM PDT- IP address: 98.186.255.240
- Document emailed to Jennifer gote (jen@rainstrategies.com) for signature  
09/10/2018 - 11:32:47 AM PDT
- Document viewed by Jennifer gote (jen@rainstrategies.com)  
09/10/2018 - 2:01:17 PM PDT- IP address: 66.249.84.233
- Document e-signed by Jennifer gote (jen@rainstrategies.com)  
Signature Date: 09/10/2018 - 4:01:57 PM PDT - Time Source: server- IP address: 107.77.231.85
- Document emailed to Diana DiVello (diana@medicalwastedisposal.com) for signature  
09/10/2018 - 4:01:58 PM PDT
- Document viewed by Diana DiVello (diana@medicalwastedisposal.com)  
09/10/2018 - 4:04:03 PM PDT- IP address: 98.186.255.240
- Document e-signed by Diana DiVello (diana@medicalwastedisposal.com)  
Signature Date: 09/10/2018 - 4:05:10 PM PDT - Time Source: server- IP address: 98.186.255.240
- Signed document emailed to Jennifer gote (jen@rainstrategies.com) and Diana DiVello (diana@medicalwastedisposal.com)  
09/10/2018 - 4:05:10 PM PDT

# **Addendum #10**

Medical Waste Proper  
Packaging Procedure



# MERI PROPERLY PACKAGE ALL MEDICAL WASTE FOR SHIPMENT

Generators are responsible for correctly packaging their medical waste before it's transported for disposal.

**PLEASE ... Follow These 3 Simple Steps When Packaging Your Medical Waste**

## 1 NO LOOSE SHARPS IN THE RED BIOHAZARD BAG OR TRANSPORT BIN



Sharp materials must be placed in a puncture-resistant biohazard sharps box *before* being placed in MERI's medical waste container. MERI's container should be lined with a red biohazard bag.

*Sharps include: needles, syringes, broken glass, scalpels, culture slides, capillary tubes, broken rigid plastic and exposed wires.*



## 2 WHEN BAG IS FULL, TIE A KNOT USING OVERHAND OR GOOSENECK METHOD

### ACCEPTABLE METHOD #1: OVERHAND KNOT

Gather, Twist End 8"-10"



Make Loop with Twisted End



Loop End Through to Create Knot



### ACCEPTABLE METHOD #2: GOOSENECK TIE

Gather, Twist End 8"-10"



Fold Twisted End Over



Seal Tightly with Either Duck Tape or Plastic Tie



**NOT  
ACCEPTABLE**

No "Rabbit Ear" Tie



## 3 PLACE LID SECURELY ON THE MEDICAL WASTE CONTAINER

**DO THIS**

Bag tied, lid is fastened



**NOT THIS**

Bag NOT tied



**NOT THIS**

Bag NOT tied, lid NOT fastened





# **Addendum #11**

Waste Disposal Log Sheet

# WASTE DISPOSAL LOG SHEET

Agent Information		Invoice Information	
Responsible Agent Name		Date:	Time:
Responsible Agent DA Number		Company Name	Patient Alternative Relief Center
Secondary Agent Name		Registry ID	000000DCWY00555666
Secondary Agent DA Number		Invoice Name	

Product Information						
PACKAGE					WASTE	
ID	TYPE	WEIGHT	REASON	BATCH NUMBER	DESCRIPTION	METHOD

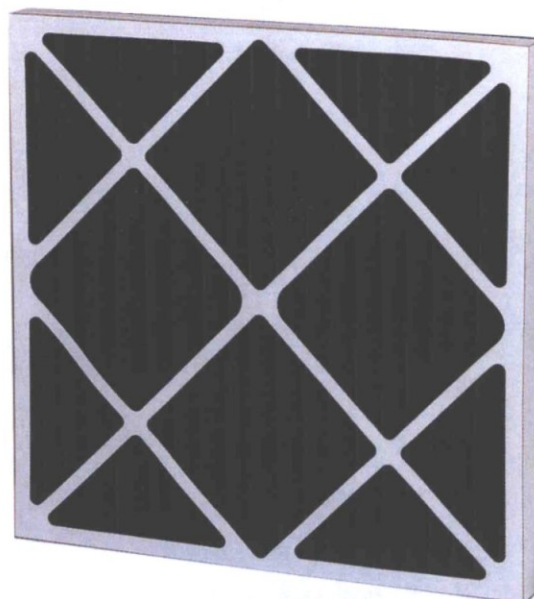
Signature Lines	
Responsible Agent	Date/Time:
Secondary Agent:	Date/Time:

# **Addendum #12**

## **Series 550 Odor Removal Pleat Specifications**



**Filtration Group®**  
HVAC



#### PRODUCT OVERVIEW

- MERV 5/6
- Available in 1", 2" and 4" depths
- Carbon enhanced pleated filter for odor removal
- Ideal for use in air make-up and re-circulation applications where odor control is needed
  - Office buildings
  - Hospitals
  - Airports
  - Food courts
  - Manufacturing facilities



## SERIES 550 ODOR REMOVAL PLEAT

#### WHY THE SERIES 550 ODOR REMOVAL PLEAT?

- Excellent gas phase filter for intermittent gas applications
- Fits all standard front access frames and side access housings
- Disposable, easy to use, low service cost
- Non-dusting media with 200 grams of carbon per square meter of self-supporting media
- Low pressure drop keeps operating costs down
- Out performs competitors carbon slurry media products which blind off most of the surface area of the activated carbon
- High quality beverage board frame provides high strength, even when wet



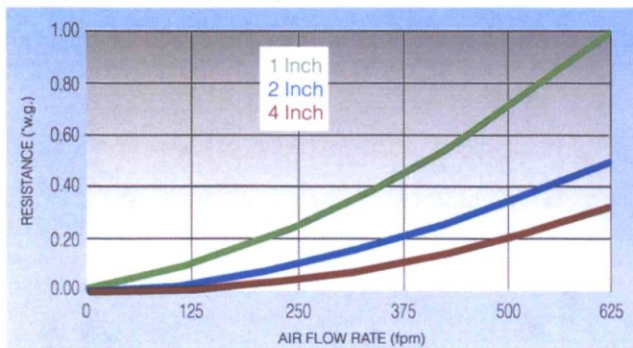


# SERIES 550 ODOR REMOVAL PLEAT

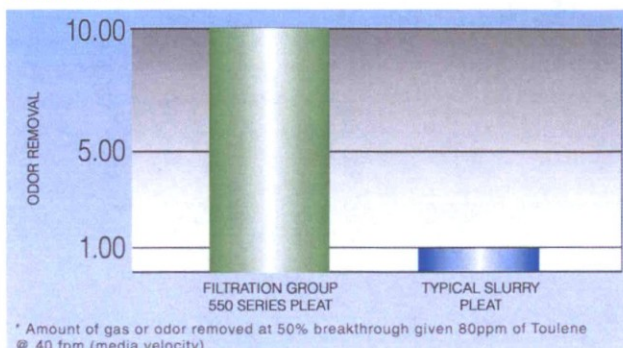
## PERFORMANCE DATA (24 x 24)

FILTER DEPTH	INITIAL RESISTANCE ("w.g.)		FINAL RESISTANCE ("w.g.)	MERV @ 500 fpm
	300 fpm	500 fpm		
1"	0.33	N/A	1.0	5
2"	0.18	0.37	1.0	6
4"	0.13	0.21	1.0	6

## INITIAL RESISTANCE (24 x 24)



## ODOR REMOVAL\*



## PRODUCT DATA

PART NUMBER	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
			300 fpm	375 fpm
21088	10 x 10 x 1	9 1/2 x 9 1/2 x 3/4	200	250
21089	10 x 20 x 1	9 1/2 x 19 1/2 x 3/4	400	525
56665	12 x 12 x 1	11 3/4 x 11 3/4 x 3/4	300	375
19938	12 x 20 x 1	11 1/2 x 19 1/2 x 3/4	500	625
15839	12 x 24 x 1	11 1/2 x 23 1/2 x 3/4	600	750
17193	14 x 20 x 1	13 1/2 x 19 1/2 x 3/4	575	725
21090	14 x 24 x 1	13 1/2 x 23 1/2 x 3/4	700	875
21091	14 x 25 x 1	13 1/2 x 24 1/2 x 3/4	725	900
16632	15 x 20 x 1	14 1/2 x 19 1/2 x 3/4	625	775
21092	16 x 16 x 1	15 3/4 x 15 3/4 x 3/4	525	650
17051	16 x 20 x 1	15 1/2 x 19 1/2 x 3/4	650	825
21093	16 x 24 x 1	15 1/2 x 23 1/2 x 3/4	800	1000
15849	16 x 25 x 1	15 1/2 x 24 1/2 x 3/4	825	1025
21094	18 x 20 x 1	17 1/2 x 19 1/2 x 3/4	750	925
21095	18 x 24 x 1	17 1/2 x 23 1/2 x 3/4	900	1125
17452	18 x 25 x 1	17 1/2 x 24 1/2 x 3/4	925	1175
15840	20 x 20 x 1	19 1/2 x 19 1/2 x 3/4	825	1050
15841	20 x 24 x 1	19 1/2 x 23 1/2 x 3/4	1000	1250
17050	20 x 25 x 1	19 1/2 x 24 1/2 x 3/4	1050	1300
21096	22 x 22 x 1	21 3/4 x 21 3/4 x 3/4	1000	1250
15842	24 x 24 x 1	23 1/2 x 23 1/2 x 3/4	1200	1500
15847	25 x 25 x 1	24 1/2 x 24 1/2 x 3/4	1300	1625

PART NUMBER	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
			375 fpm	500 fpm
21097	10 x 20 x 2	9 3/4 x 19 1/2 x 1 3/4	525	700
17077	12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4	750	1000
19392	14 x 20 x 2	13 1/2 x 19 1/2 x 1 3/4	725	975
19393	14 x 25 x 2	13 1/2 x 24 1/2 x 1 3/4	900	1200
21098	15 x 20 x 2	14 1/2 x 19 1/2 x 1 3/4	775	1025
15866	16 x 20 x 2	15 1/2 x 19 1/2 x 1 3/4	825	1100
21099	16 x 24 x 2	15 3/8 x 23 3/8 x 1 3/4	1000	1325
17049	16 x 25 x 2	15 1/2 x 24 1/2 x 1 3/4	1050	1400
21100	18 x 24 x 2	17 3/8 x 23 3/8 x 1 3/4	1125	1500
15848	20 x 20 x 2	19 1/2 x 19 1/2 x 1 3/4	1050	1400
39928	20 x 24 x 2	19 3/8 x 23 3/8 x 1 3/4	1250	1650
16337	20 x 25 x 2	19 1/2 x 24 1/2 x 1 3/4	1300	1750
16336	24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	1500	2000
16338	25 x 25 x 2	24 1/2 x 24 1/2 x 1 3/4	1625	2150
16385	12 x 24 x 4	11 3/8 x 23 3/8 x 3 3/4	1000	1250
52245	16 x 20 x 4	15 1/2 x 19 1/2 x 3 3/4	1100	1400
56175	16 x 25 x 4	15 1/2 x 24 1/2 x 3 3/4	1400	1750
21101	18 x 24 x 4	17 3/8 x 23 3/8 x 3 3/4	1500	1875
17081	20 x 20 x 4	19 1/2 x 19 1/2 x 3 3/4	1400	1750
21102	20 x 24 x 4	19 3/8 x 23 3/8 x 3 3/4	1650	2100
51676	20 x 25 x 4	19 1/2 x 24 1/2 x 3 3/4	1750	2200
17087	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	2000	2500

\* Contact Customer Care for additional sizes and information.

## ENGINEERING SPECIFICATIONS

### 1.0 General

- 1.1 Filters shall be Aerostar® Series 550 odor removal pleated air filters as manufactured by Filtration Group.
- 1.2 Filters shall be available in nominal depths of 1", 2" and 4".
- 1.3 Filters are manufactured by an ISO 9001 registered company.

### 2.0 Filter Materials of Construction

- 2.1 Media shall be carbon loaded non-woven media consisting of 100% synthetic fibers that do not support microbial growth. Media shall contain virgin coconut shell activated carbon loaded at 200 grams per square meter.
- 2.2 Filters shall have a high wet strength beverage board with cross member design that increases filter rigidity and prevents breaching. Frame shall be recyclable.

- 2.3 Filters shall be of a metal-free construction that can be completely incinerated and does not contain galvanized steel in order to reduce its impact when land filled.

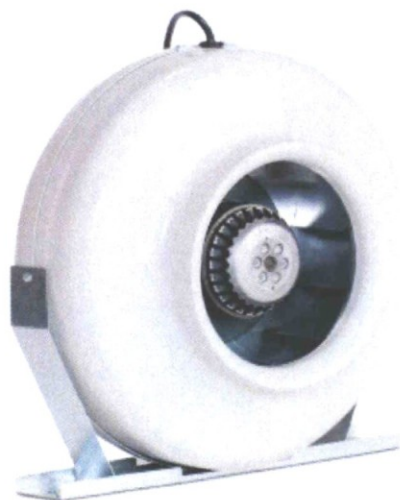
### 3.0 Filter Performance

- 3.1 Filters shall be available in a MERV 5/6 configuration when tested in accordance with ASHRAE 52.2 Test Standard.
- 3.2 For initial resistance of filters, see Performance Data chart above.
- 3.3 Filters shall be rated to withstand a continuous operating temperature of up to 150°F.
- 3.4 Filters shall have a recommended final resistance of 1.0" w.g.

# **Addendum #13**

Can Fan Info Sheet



[Home](#) > 12" HO Can-Fan™

## 12" HO Can-Fan™

*sku:* 340065*msrp:*  
**\$290.92**

### At a Glance

Can-Fan High Output fans are centrifugal fans that utilize our proven German design, Swiss components, and precision manufacturing with an upgraded motor for improved performance. They have carried AMCA certified numbers longer than most other fans have been around and you can be sure you're getting every CFM we claim to deliver. Can-Fans can be easily installed in minutes using the included mounting bracket. They have a powder coat finish and carry a 5-year warranty.

### Details:

- Proven Centrifugal Design
- Power Cord Attached
- German Engineered
- Reliable Swiss Motor
- Powder Coat Finish
- Easy installation
- 5-year warranty
- Available in sizes from 4" - 12"

### Technical Data:

CFM:	955 at 0wg
RPM:	3182
Max Watts:	332
Amps:	2.79 @ 120v AC 60 Hz
Diameter	17.5"
Length:	10"
Blade Design:	Centrifugal
Weight:	14lbs.
Inlet/Outlet:	12"

FAN MODEL	RPM	VOLTS	MAX WATTS	MAX 0"	.125"	.25"	.375"	.5"	.75"	1.0"	1.25"	1.5"	MAX DUCT in. wg DIA.		
4" HO	2849	120	80	.71	165	154	145	135	126	105	86	67	43	1.84	4"
6" HO	2942	120	126	1.08	381	359	338	315	293	251	202	164	124	1.98	6"
8" HO	2810	120	277	2.32	766	730	697	663	620	544	467	400	343	3.24	8"
10" HO	2923	120	286	2.41	806	778	750	721	690	623	550	475	408	3.30	10"
12" HO	3182	120	332	2.79	955	937	918	896	873	827	781	736	683	3.27	12"

### Recommended Filters:

Exhaust:      Recirculating:

Can 100

Can-Lite 12x40

Can 125

Can 150

YOU MAY ALSO BE INTERESTED IN THE FOLLOWING PRODUCT(S)



Can 125



12" Can-Fan Collars



12" Backdraft Damper

# **Addendum #14**

## **BHOgart Explosion Proof Fan Specifications**

## **BHOgart Explosion Proof Fan**

### **Your ventilation fans need to be explosion proof**

The BHOgart Explosion Proof Fan has an encapsulated electrical system, keeping potential sparks separate from any flammable gas. The BHOgart Explosion Proof Fan comes with a specially designed, static resistant, 30 Foot duct. At roughly 1000 cfm you can expect to adequately ventilate a 10x10x10 area for each fan employed to the task. Keeping in mind that the gasses are heavy, arrange your ventilation to exit at the floor level.

Please note: Using an explosion proof fan is meant to enhance an already safe work environment, not create one. They are NOT enough to assure a safe working environment indoors. If you must extract indoors, you will need to be in a facility certified for hydrocarbon extraction, meeting all local, state, and federal laws / regulations. ventilation for your lab should be professionally designed and constructed according to the strictest applicable standards available.

#### **– 12" Diameter –**

Diameter: 12"

Power: 550w

Voltage: 100 – 120

Flowrate: 2718 CFM

Speed: 3300 r/min

Ducting length: 30ft static resistant w/ hanging hooks

\*Includes fan and one 12" x 30ft duct

Make a safe situation even safer with the BHOgart Explosion Proof Fan. Quiet, powerful, spark free, and static resistant. The BHOgart Explosion Proof fan is the perfect tool to enhance your airflow.

\*Extractions must still take place in an adequately ventilated outdoor environment. This fan is meant to enhance an already safe work area, not create one.

<https://bhogart.com/product/explosion-proof-fan-kit/>

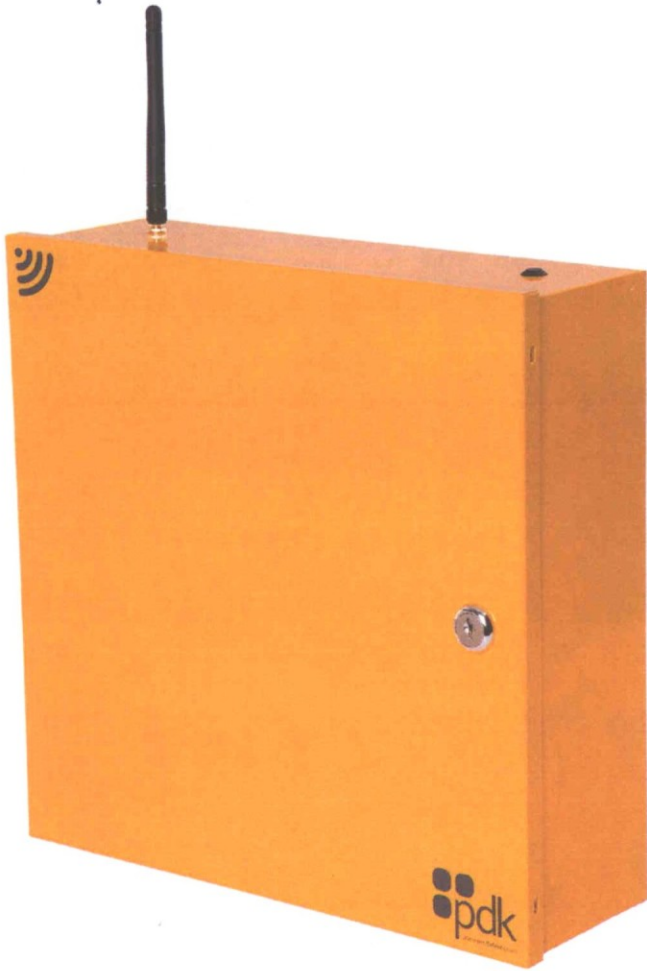






# Addendum #3

pdk eightio Elevator Control  
System



 **eightio**

Eight Door/Ten Floor Elevator Controller  
PM-07-EIO-W,E

# Safety

## Safety, Maintenance & Operational Information

### Requirements

This manual is intended for trained and authorized installers of ProdataKey access control product. PDK Single and Eight Door Controllers require firmware version 2.1 or later. Later versions of this document will be posted to the ProdataKey website, as required. See other user manuals, also available on the ProdataKey website's Document Library. In this manual, ProdataKey and its door controllers are referred to as: the PDK products, single-door, eight-door, network door controller, single-door controller (SDC) eight-door controller (EDC), the appliance, and ACP.

### Liability

Every care has been taken in the preparation of this document. Please inform ProdataKey Support of any inaccuracies or omissions. ProdataKey cannot be held responsible for any technical or typographical errors and reserves the right to make changes to the product and manuals without prior notice. ProdataKey makes no warranty of any kind with regard to the material contained within this document, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. ProdataKey shall not be liable nor responsible for incidental or consequential damages in connection with the furnishing, performance or use of this material. This product is only to be used for its intended purpose.

### Intellectual Property Rights

Patents Pending- ProdataKey has intellectual property rights relating to technology embodied in the product described in this document.

### Equipment

This equipment must be installed and used in strict accordance with the instructions given in the user documentation. This equipment contains no user-serviceable components. Wiring methods shall be in accordance with the National Electrical Code, ANSI/NFPA 70. Unauthorized equipment changes or modifications will invalidate all applicable regulatory certifications and approvals.

Use only accessories that comply with technical specification of the product. These can be provided by ProdataKey or an approved third party. Use only spare parts provided by or recommended by ProdataKey.

After the system is installed and working properly, no further maintenance or testing is required.

Do not attempt to repair the product by yourself. Contact ProdataKey Support or your ProdataKey authorized distributor for service matters.

### Trademark Acknowledgments

ProdataKey, Prodata Key, prodatakey, PDK, Prodata, are registered trademarks or trademark applications of ProdataKey in various jurisdictions. All other company names and products are trademarks or registered trademarks of their respective companies. Permission to use, copy, modify, and distribute this software and its documentation for any purpose with or without fee is hereby granted, provided that the above copyright notice appears in all copies and that both the copyright notice and this permission notice appear in supporting documentation.

### **Regulatory Information**

#### **Electromagnetic Compatibility (EMC)**

This equipment has been designed and tested to fulfill applicable standards for:

- Radio frequency emission when installed according to the instructions and used in its intended environment.
- Immunity to electrical and electromagnetic phenomena when installed according to the instructions and used in its intended environment.

### **Safety**

This product complies with IEC/EN/UL 60950-1, Safety of Information Technology Equipment. If your connecting cables are routed outdoors, the product shall be grounded either through a shielded network cable (STP) or other appropriate method. The power supply used with this product shall fulfill the requirements for Safety Extra Low Voltage (SELV) and Limited Power Source (LPS) according to IEC/EN/UL 60950-1.

### **Disposal and Recycling**

When this product has reached the end of its useful life, dispose of it according to local laws and regulations. For information about your nearest designated collection point, contact your local authority responsible for waste disposal. In accordance with local legislation, penalties may be applicable for incorrect disposal of this waste.

### **Supported Readers**

Door controllers accept standard 26bit Wiegand data input from approved readers.

ProdataKey reader part numbers PP-08-RDR-M, PP-08-RDR-G and PP-08-RDR-KP have been verified by ETL. See the Readers data sheet available at [www.prodatakey.com](http://www.prodatakey.com) > Support > Documentation Library.

### **Support**

Should you require any technical assistance, please contact the ProdataKey Support Staff. Your queries will be addressed as immediately as possible. You can research questions and queries from the ProdataKey website:

- Download user documentation and software updates from the partner portal
- Find answers to resolved problems in the FAQ and forum
- Report problems to ProdataKey support staff by logging in to the partner portal on the ProdataKey website
- Chat with ProdataKey Support Staff (North America only)
- Visit ProdataKey Support at [www.prodatakey.com/support/](http://www.prodatakey.com/support/)





### **Learn More**

Visit ProdataKey learning center [www.prodata.com/support/](http://www.prodata.com/support/) for useful trainings, webinars, tutorials and documents.

## Safety Information

This guide has been prepared to help you install the product. Read through the installation instructions carefully before installing the product. Keep the guide for future installation and maintenance reference.

### Safety & Operations Notifications

Caution		Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
Notice		Indicates a situation which, if not avoided, could result in damage to property.
Important		Indicates significant information which is essential for the product to function correctly.
Note		Indicates useful information which helps in getting the most out of the product.

### NOTICE

- The ProdataKey Eight Door Controller is intended for indoor use only.
- The ProdataKey product shall be installed by a trained professional.
- The ProdataKey product shall be used in compliance with local laws and regulations.
- The ProdataKey product shall be installed within a secured area.
- Mount this product in a dry and ventilated environment.
  - To provide the best conditions and proper operation of the product, the controller must be securely mounted in accordance with the installation instructions.
  - Do not install the door controller box on unstable brackets, surfaces or walls.
  - Use only applicable tools when installing the ProdataKey product. Using excessive force mounting the product could cause damage.
- Avoid exposing ProdataKey product to shocks or heavy pressure.
- Do not use chemicals, caustic agents, or aerosol cleaners to clean the product. Use a clean cloth dampened with pure water for cleaning the exterior of the enclosure.



- Use only accessories that comply with technical specification of the product. These can be provided by ProdataKey or a ProdataKey authorized third party vendor.
- Use only spare parts provided by or recommended by ProdataKey Support or a product reseller.
- Do not attempt to repair the product by yourself. Contact ProdataKey Support or your ProdataKey authorized distributor for service matters.
- Use a can lock to ensure secure enclosures and prevent tampering.
- Protect the power cord, Ethernet cable, and ELK transformer wires from being walked on or pinched, particularly where they exit the can.
- For UL certified installations all cable runs to the Eight Door Controller must be less than 30 meters (98.5').

⊕ **Jumpers must remain OFF on ports powering 24VDC hardware.**

### Power Supply

The following products and parts are required for the proper operation of the Eight Door Controller, but are not included in the Controller box and are thus the responsibility of the installer/dealer:

**(A) - 12 VDC** - Use a qualified 12 VDC Access Control power supply with the required amperage for hardware that will be connected (8AMP, MAX).

**(B) - 24 VDC** - When using 24 VDC the controller must still be powered with 12 VDC to power readers, request to exit devices, etc. Provide a second power supply with 24 VDC which will then be fed into (C) common on each port relay for powering devices 24 VDC

**(C) - BATTERY BACKUP** - Battery backup is required on all ProdataKey hardware. When selecting your power supply be sure it includes a charging circuit for battery backup.

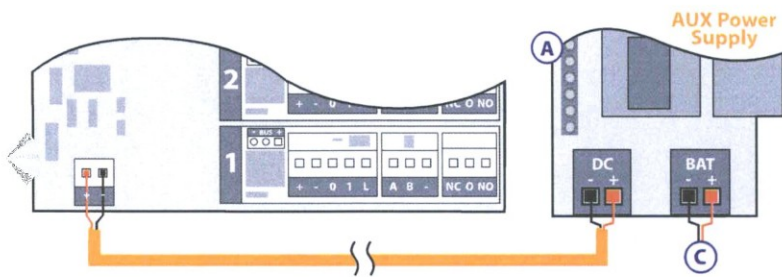


Figure 1: Power Supply Wiring

Ⓝ For UL certified installations all cable runs to the Eight Door Controller must be less than 30 meters (98.5').

# Installation

## Installation Guide

This Installation Guide provides instructions for installing ProdataKey Eight Door Controller (PM-07-EDC-W, E). For additional information on this product, refer to [www.prodatakey.com](http://www.prodatakey.com) > Support > Documentation Library.

### Package Contents

Eight Door Controller (1)  
Antenna (1) (PM-07-EDC-W only)  
Jumpers (8)  
Diodes (8)  
Lock (1)  
QuickStart Guide (1)

Eight Door Controller includes door controller, and wireless or ethernet communication module pre-mounted in the enclosure.

- ⓘ The ProdataKey Access Control Panel (ACP) is required to operate the Eight Door Controller.

### Recommended Tools

- Drill
- Screwdriver
- Slotted screwdriver
- Anchor screws (4)
- Screws (4)
- Wire stripping tool

### Additional Listed System Components

<b>Access Control Appliance (ACP)</b>	Provides unlimited card holders, years of event storage, battery backup, and auto data backup. PN: PM-01-ACP
<b>Single Door Controller (SDC)</b>	Run controls for multiple doors and/or build a larger network; also used for legacy system change out PN: PM07SDC-wimac™ WIRELESS / Ethernet: PM07SDC-ETHERNET
<b>Proximity Reader</b>	Must be UL294 listed.
<b>Proximity Credentials</b>	Must be UL294 listed.
<b>Electronic Locking Hardware</b>	Must be UL294 listed.

- ⓘ For information about other products and services, see [www.prodatakey.com/Products](http://www.prodatakey.com/Products)

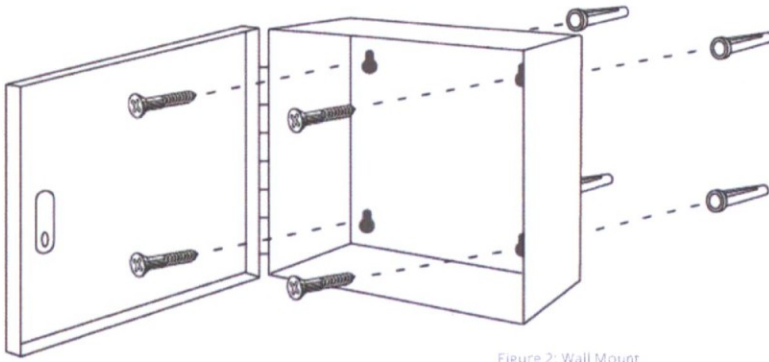


Figure 2: Wall Mount

## Mounting Instructions

Before you begin the installation, read all instructions. Make sure you have read and understood the Installation, Setup Safety, and Operational Notes published in the System Notes on pages 4 and 5.

- ① Ideal door controller mounting meets these conditions:
  1. Strategic placement of wireless door controllers will optimize wireless communication between door controllers.
  2. Door controllers are installed in an environmentally-controlled, and secure area. Ensure that controller antennas are free from obstructions, metal objects or power cables that may cause wireless interference.

- ⚠ **Cautionary Notes**
  - 1: **DO NOT mount the product while power is applied to the power supply. Always apply power at the end of the installation.**
  - 2: **Disconnect power before connecting or working with the ProdataKey product. Never make connections while power is applied to the product.**

**These instructions for mounting the door controller allow you to easily fasten the can to the wall securely and properly.**

1. Make sure you have the package contents, tools and other materials necessary for the installation on an appropriate surface (drywall, wood, stone, etc.) See page 9.
2. Pre-drill holes into the wall and place the anchors in the pre-drilled holes.
3. Place the can in position to the holes fitted with screw anchors.
4. Secure the door controller box to the wall with screws so the box is snug against the wall.
5. If communication method is wireless, attach the antenna to the RPSMA connector on top of the enclosure. (See Antenna Mounting best practices on page 11)

- ① Strip wires as required, using a strip tool.

6. Install the Reader and attach wires meeting your reader configurations. See Reader wiring diagram on page 17.

- (n) Make sure all the wires are connected correctly prior to power up. Incorrect wiring could cause damage to the product.

7. Connect the wires between the door controller and locks, doors, and other devices. For more information about the connectors and their specifications and diagrams, see the wiring diagram included in this installation guide: Maglock page 18, Door Strike (FSafe) page 19, and Door Strike (FSecure) page 20.

For devices that have been configured in the product's hardware configuration pages, use the hardware pin chart as a guide on how to connect the pins. For more information about hardware configuration and the hardware pin chart, pages 14-15.

For information about how to connect other wires, such as power wires to third party locks, readers and other devices, see their respective manufacturers' instructions.

8. Connect a qualified third party power supply according to the instructions provided on page 7 of this manual.

### Antenna Mounting: Best Practices

The wireless reach of the antenna spreads out in a horizontal, donut-like pattern. Because the enclosure can be mounted horizontally or vertically, there are some best practices about the antenna to consider:

- Consider the strength and reach of the wireless signal. The antenna's signal strength has one mile line of sight, or an average of 450 feet indoors, depending on building construction type.
- Consider the antenna direction.
- For best results be sure the Eight Door Controller is mounted horizontally and approximately head high or higher.
- Eight Door Controller is installed in an environmentally-controlled, and secure area. Ensure that controller antenna is free from obstructions, metal objects or power cables that may cause wireless interference.
- Be mindful of the building's construction in which you are installing the product. Having the antenna surrounded by metal or near high voltage can impair signal strength.
- It is not ideal to install multiple door controllers next to each other. When antennas on the door controllers are in close proximity, they can impair signal strength.

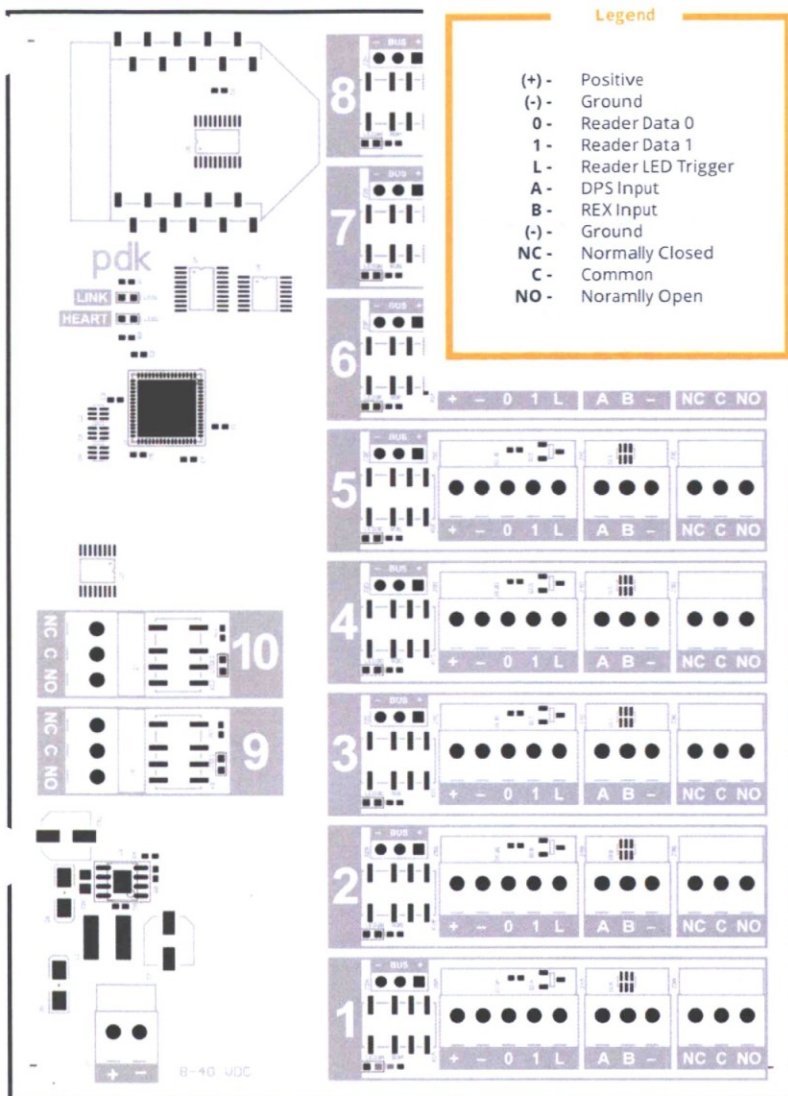


# Components

## Legend for Door Controller Board

### Legend

- (+) - Positive
- (-) - Ground
- 0 - Reader Data 0
- 1 - Reader Data 1
- L - Reader LED Trigger
- A - DPS Input
- B - REX Input
- (-) - Ground
- NC - Normally Closed
- C - Common
- NO - Normally Open



## Connectors

The following section describes the connector's technical specifications.

**Ports 1 - 8**  
8-pin terminal block supporting Wiegand protocols for communication with reader

5 Pin Connector		PIN	Notes
Power Output	+	1	Positive 12VDC out
Power Output	-	2	Negative 12VDC Out
Reader Data	0	3	Wiegand Reader Input Data 0
Reader Data	1	4	Wiegand Reader Input Data 1
Reader LED Trigger	L	5	Reader LED Output Trigger

3 Pin Connector		PIN	Notes
DPS Input	A	1	Door Position Switch or assignable
REX Input	B	2	Request to Exit or assignable)•Output 0 (N/O or N/C and + or - Selectable
Power Output	-	3	Negative 12VDC Out

3 Pin Connector		PIN	Notes
Normally Closed	NC	1	Normally closed connection for main form C relay with optional jumper configuration for wet positive or negative output.
Common	C	2	Common connection for main form C relay
Normally Open	NO	3	Normally open connection for main form C relay with optional jumper configuration for wet positive or negative output.

## Ports 9 - 10

3 Pin Connector		PIN	Notes
Normally Closed	NC	1	Normally closed connection for main form C relay with optional jumper configuration for wet positive or negative output.
Common	C	2	Common connection for main form C relay
Normally Open	NO	3	Normally open connection for main form C relay with optional jumper configuration for wet positive or negative output.

## Power Port

2 Pin Connector		PIN	Notes
Controller Power Input	+	1	12VDC Positive
Controller Power Input	-	2	12VDC Negative

## LED Indicators

LED	State	Notes
COMMLINK	Solid	No connection
	Flashing	Connection is made.
HEARTBEAT	Flashing	Referred to the heart beat. Flashing indicates normal operation. If state becomes solid, possible serious hardware function. Call support.
RELAY 1 - 8	Solid On	Relay actuated, active. (Normally open, O connection).
	Solid Off	Relay is at rest, not active. (Normally closed, C connection). No blinking state.

# **Wiring Diagrams**



## Reader Setups

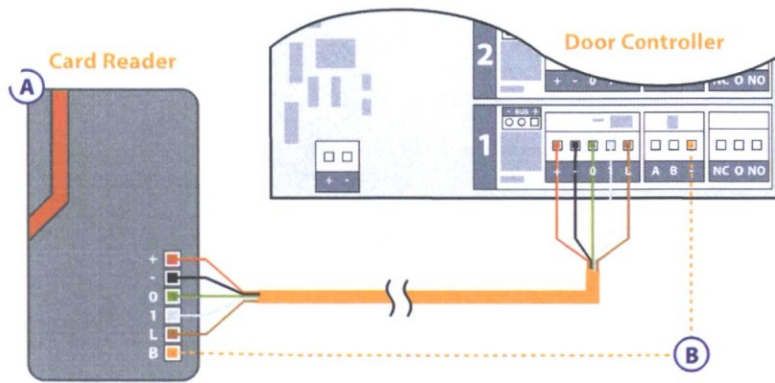


Figure 4: Eight Door Controller: Reader Wiring Diagram

- (n) For UL certified installations all cable runs to the Eight Door Controller must be less than 30 meters (98.5').

### (A) - Main Reader

The main reader is mounted at the door with a 22/5 or 22/6 wire running to the door controller. Wire the reader to the controller as shown above. Be sure to check polarity and voltage prior to powering the controller.

### (B) - Piezo

Optional piezo trigger for tamper door prop alarm connect to (-) of AUX relay. Control with software rules.

## Maglock Setup

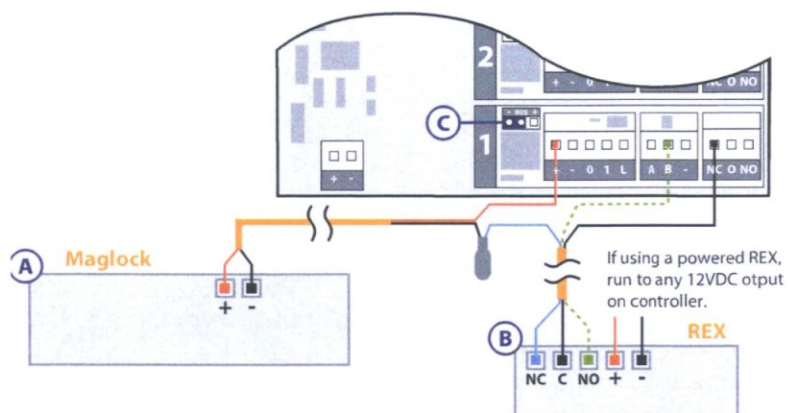


Figure 5: Eight Door Controller Maglock Wiring Diagram

- (n) For UL certified installations all cable runs to the Eight Door Controller must be less than 30 meters (98.5').

### (A) - Maglock

When installing a Maglock it is typical to install a REX (Request to Exit) at the door for free egress. Run an 18/2 wire from the Maglock to the Door Controller, connecting to the Maglock as shown.

### (B) - REX (Request to Exit)

The REX is mounted in the desired location with an 18/5 wire ran from the REX to the controller (18/3 if non powered REX). Wire the REX to the controller and maglock as shown above. If reporting is not needed in the system, simply eliminate the dashed wire.

### (C) - Jumper

Use the designated (+) or (-) board voltage out of (NO) and (NC). If jumper is off, the relay is a standard dry contact needing input into common. In this diagram the jumper is placed on (-) side to operate the Maglock.

### Door Strike (FSECURE)

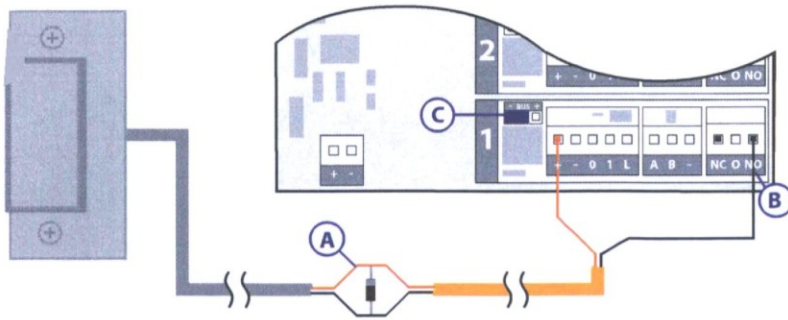


Figure 7: Eight Door Controller Door Strike (FSECURE) Wiring Diagram

(n) For UL certified installations all cable runs to the Eight Door Controller must be less than 30 meters (98.5').

### Diode Setup Instructions

A diode is a standard device integral to the safe and proper function of the door controller. Specifically, the diode is a semiconductor device with two terminals. It acts as a grounding tool, allowing the flow of current in one direction only.

When a door strike is called/requested/sent, the coil sends a spike down the line with as much as 50,000 volts. This is also called "kickback voltage." If there is not a diode semiconductor, this kickback voltage would damage the control equipment. When properly installed, the diode keeps "kickback voltage" localized at the lock.

### Installing the Diode

To be effective in protecting your equipment against electrical kickback, follow these instructions:

The diode must be installed across the DC powered lock, at the strike and between positive and ground. Gray stripe to positive (+) / black to ground (-). DC voltage is polarized. The diode must be installed in the direction shown in the illustrations.

**(A) - Diode**

The provided diode must be installed when using a strike. Install at the strike with the stripe of diode on poitive and the black on negative.

(B) - NO

Used for maglocks (Or Strikes in Fail Safe configuration). Connect the negative (-) of the Maglock or Strike to NC on the Door Controller.

(C) -Jumper

Use the designated (+) or (-) board voltage out of (NO) and (NC). If jumper is off, the relay is a standard dry contact needing input into common. In this diagram the jumper is placed on (-) side to operate the Maglock.

## Door Strike (FSAFE)

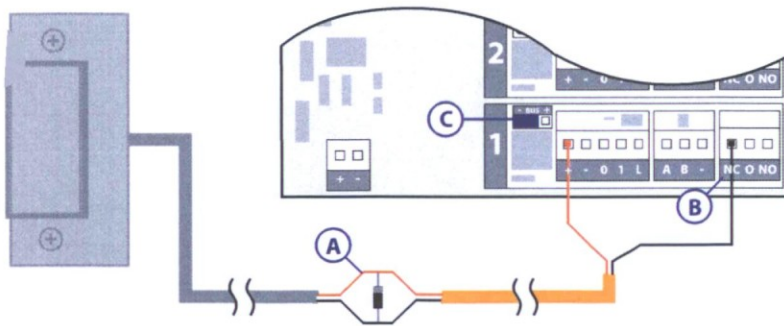


Figure 6: Eight Door Controller Door Strike (FSAFE) Wiring Diagram

(1)

For UL certified installations all cable runs to the Eight Door Controller must be less than 30 meters (98.5').

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#### (C) - Jumper

Use the designated (+) or (-) board voltage out of (NO) and (NC). If jumper is off, the relay is a standard dry contact needing input into common. In this diagram the jumper is placed on (-) side to operate the Maglock.



## Technical Support & Sales

Hardware / Software Install - Trouble tickets - Troubleshooting, Return Material Authorization

### Support

P: 801.317.8802

E: support@prodatakey.com

### Sales

P: 801.317.8802

E: sales@prodatakey.com

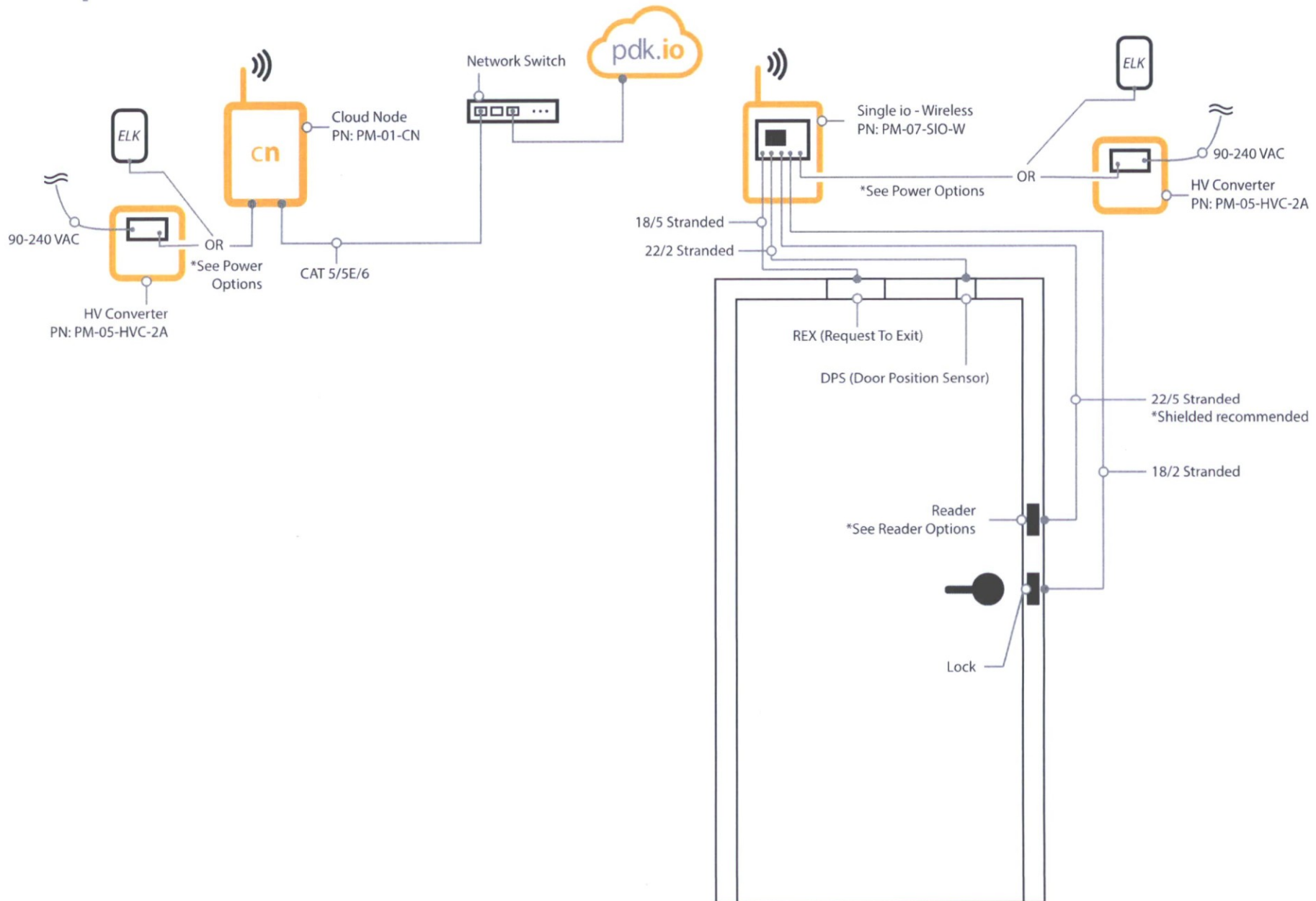
ProdataKey, LLC.  
10702 S 300 W Suite 105  
South Jordan, Utah 84095  
United States

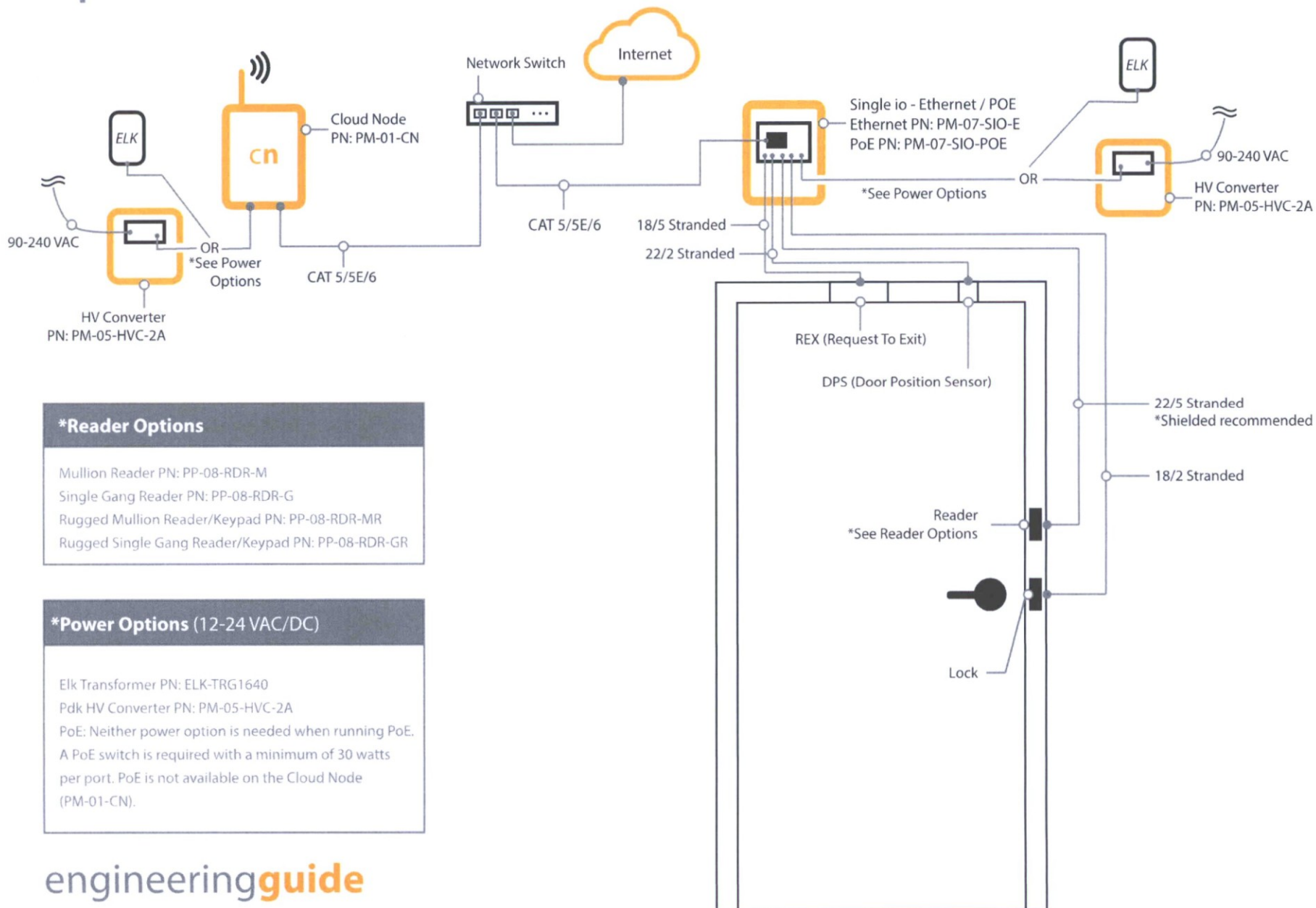
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Installation Guide  
ProdataKey Door Controllers  
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Ver. 1.0.3  
Date: June 2016  
Doc No. PM-07-EIO-IM-001



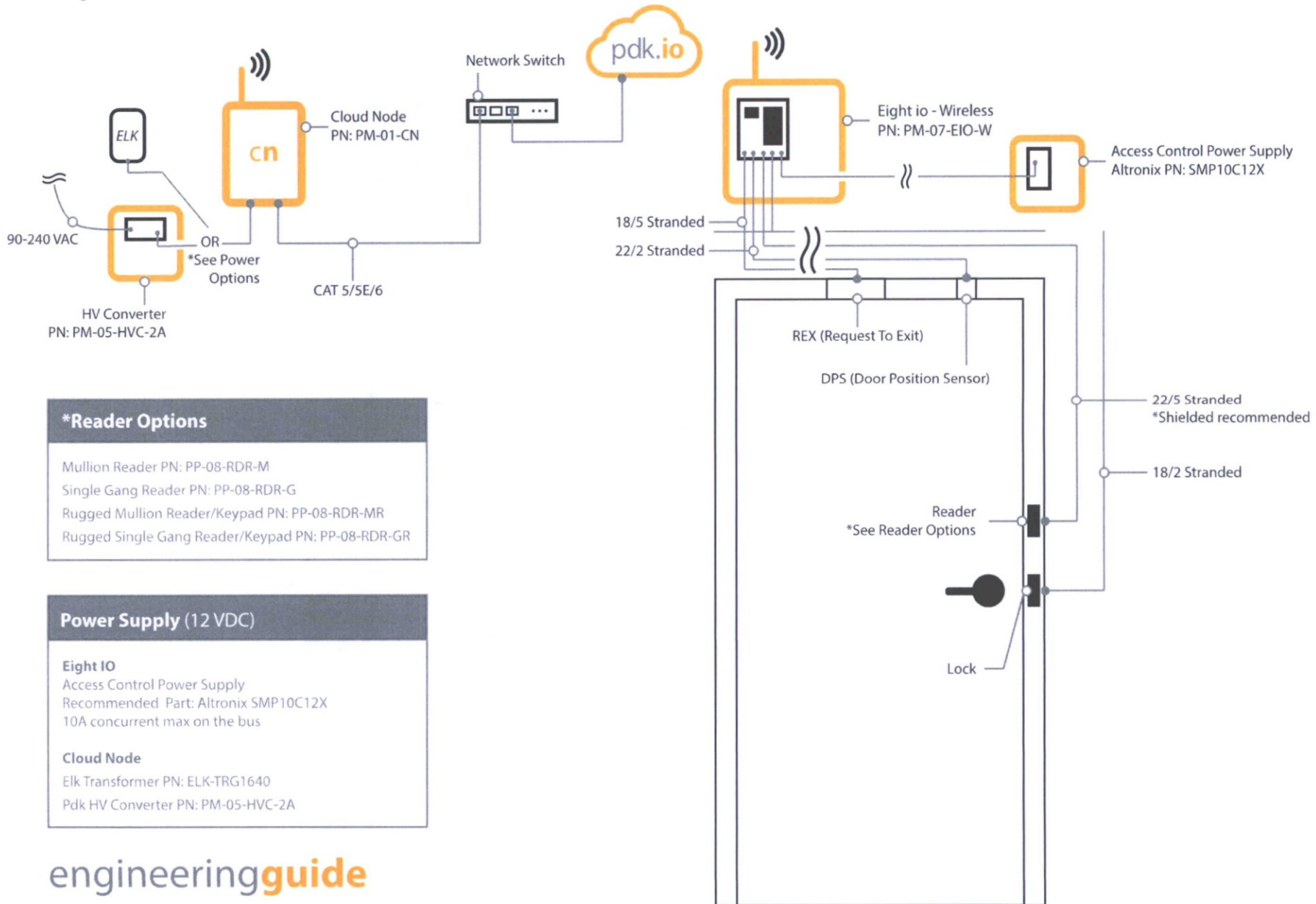


## \*Reader Options

Mullion Reader PN: PP-08-RDR-M  
 Single Gang Reader PN: PP-08-RDR-G  
 Rugged Mullion Reader/Keypad PN: PP-08-RDR-MR  
 Rugged Single Gang Reader/Keypad PN: PP-08-RDR-GR

## \*Power Options (12-24 VAC/DC)

Elk Transformer PN: ELK-TRG1640  
 Pdk HV Converter PN: PM-05-HVC-2A  
 PoE: Neither power option is needed when running PoE. A PoE switch is required with a minimum of 30 watts per port. PoE is not available on the Cloud Node (PM-01-CN).



#### \*Reader Options

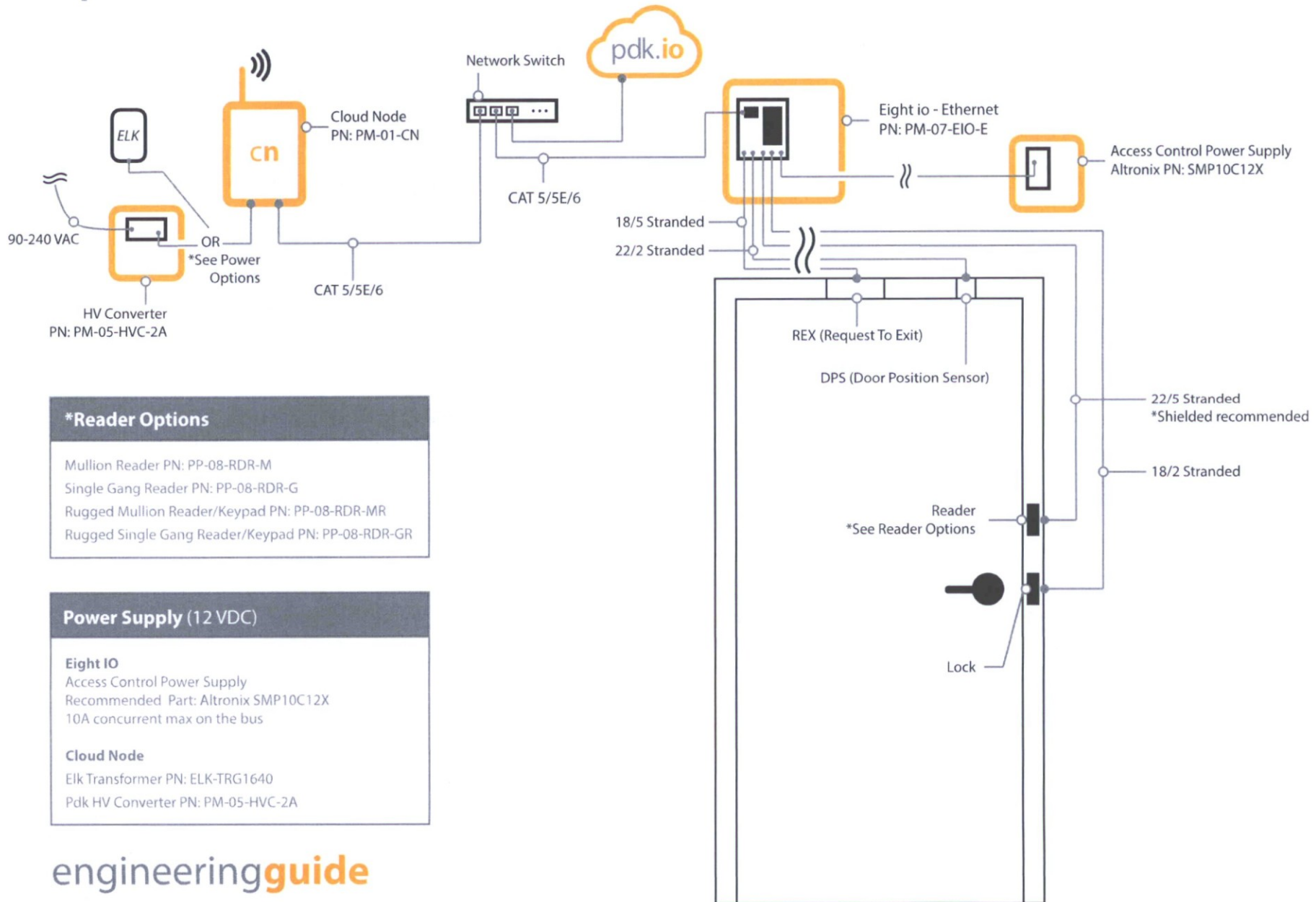
Mullion Reader PN: PP-08-RDR-M  
Single Gang Reader PN: PP-08-RDR-G  
Rugged Mullion Reader/Keypad PN: PP-08-RDR-MR  
Rugged Single Gang Reader/Keypad PN: PP-08-RDR-GR

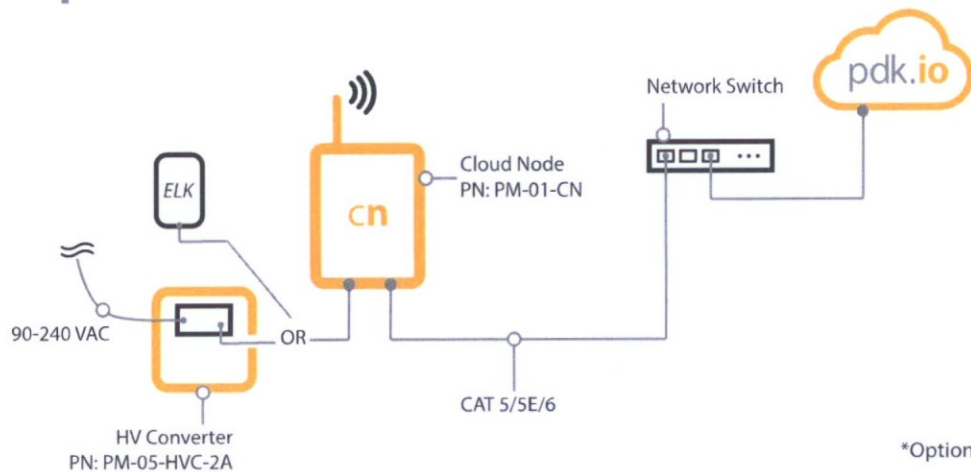
#### Power Supply (12 VDC)

**Eight IO**  
Access Control Power Supply  
Recommended Part: Altronix SMP10C12X  
10A concurrent max on the bus

**Cloud Node**  
Elk Transformer PN: ELK-TRG1640  
Pdk HV Converter PN: PM-05-HVC-2A





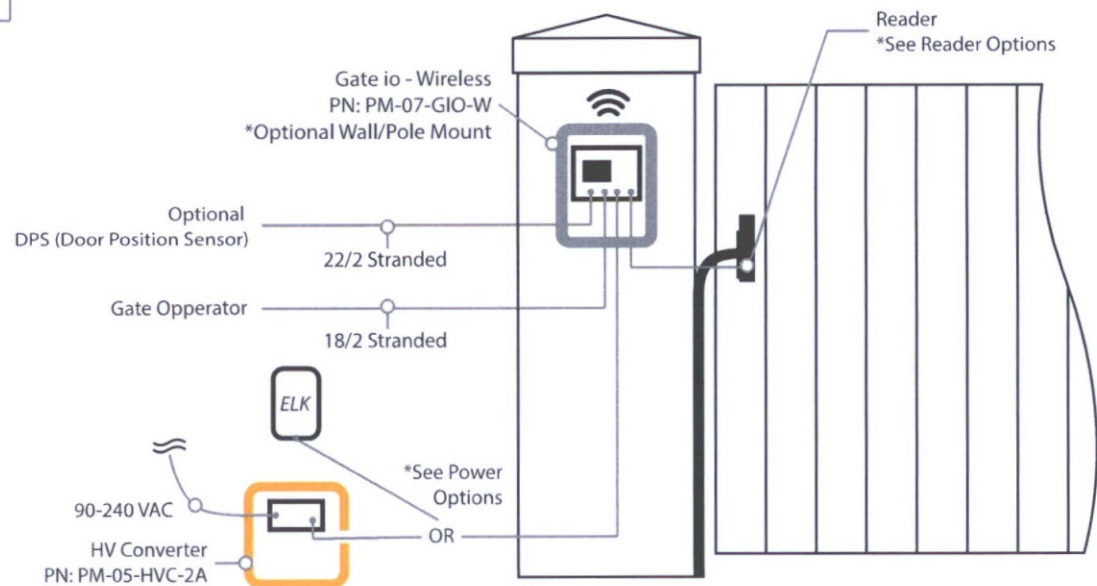


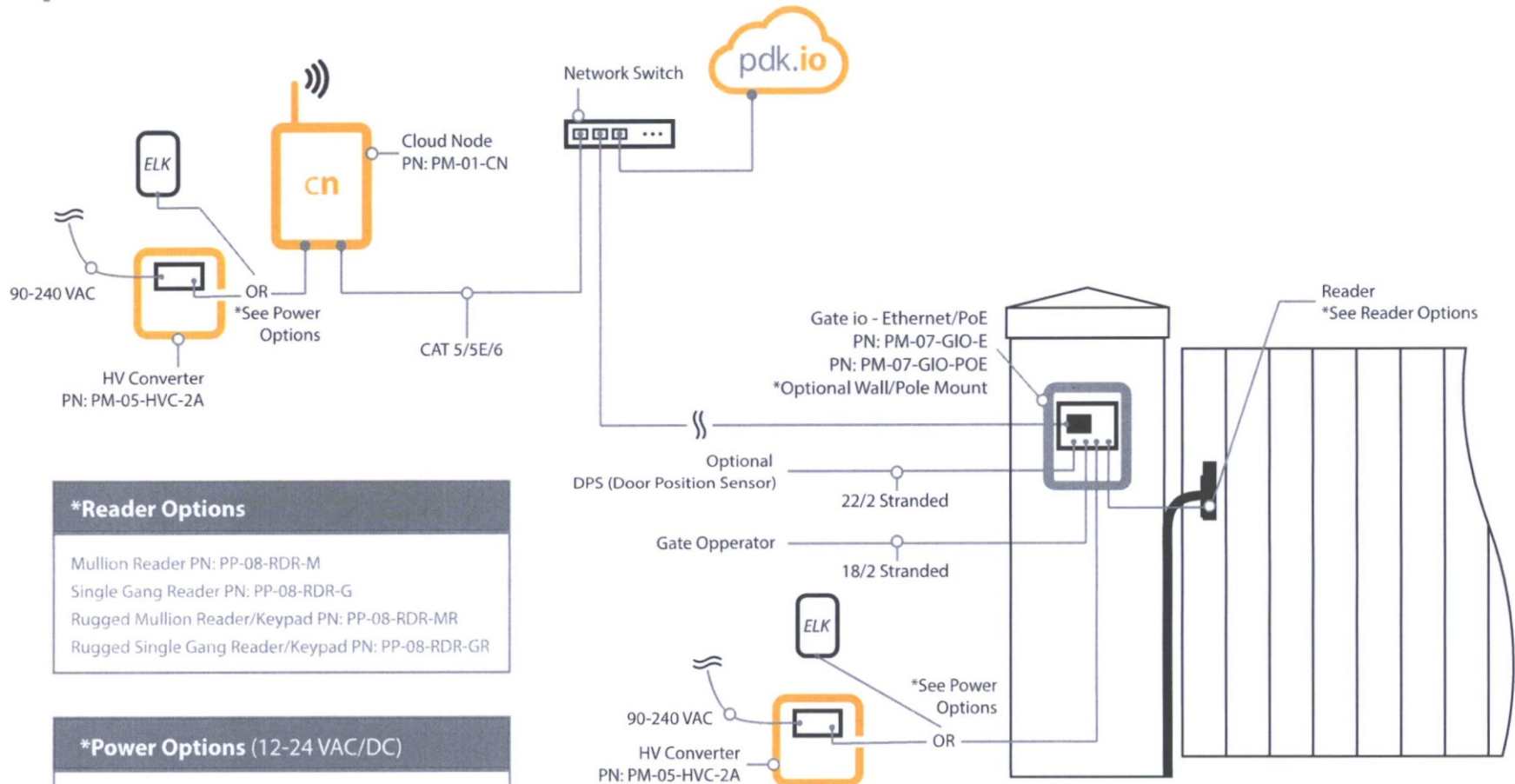
### \*Reader Options

Mullion Reader PN: PP-08-RDR-M  
Single Gang Reader PN: PP-08-RDR-G  
Rugged Mullion Reader/Keypad PN: PP-08-RDR-MR  
Rugged Single Gang Reader/Keypad PN: PP-08-RDR-GR

### \*Power Options (12-24 VAC/DC)

Elk Transformer PN: ELK-TRG1640  
Pdk HV Converter PN: PM-05-HVC-2A





#### \*Reader Options

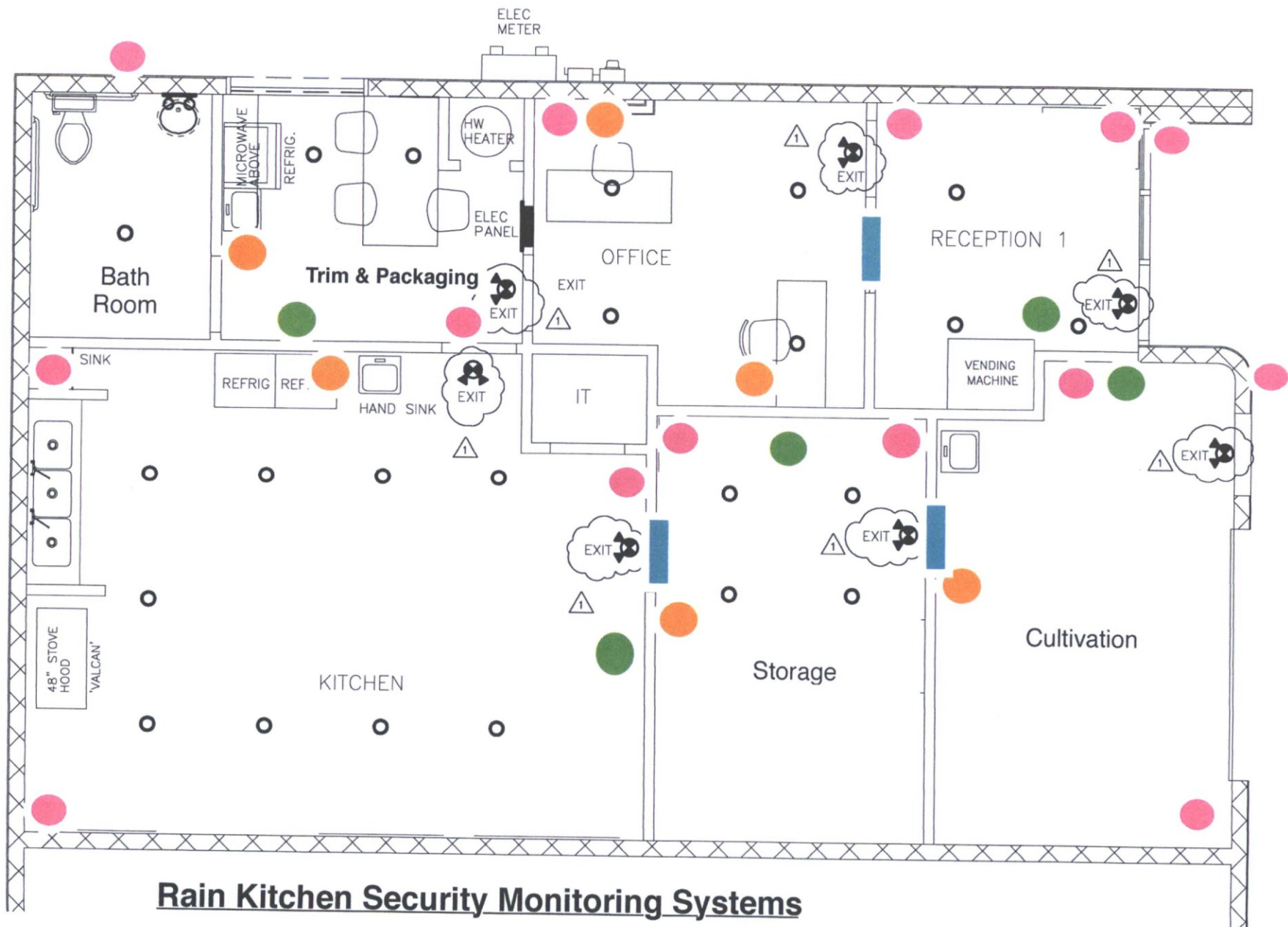
Mullion Reader PN: PP-08-RDR-M  
Single Gang Reader PN: PP-08-RDR-G  
Rugged Mullion Reader/Keypad PN: PP-08-RDR-MR  
Rugged Single Gang Reader/Keypad PN: PP-08-RDR-GR

#### \*Power Options (12-24 VAC/DC)

Elk Transformer PN: ELK-TRG1640  
Pdk HV Converter PN: PM-05-HVC-2A

# **Addendum #4**

Initial Security Monitoring  
System Map for Suite #5



## Rain Kitchen Security Monitoring Systems

- Cameras (14)
- Motion Sensors (5)
- Panic Buttons (6)
- Metal Monitored Doors (3)

**Scale**  
1" = 5' - 6"



# **Addendum #5**

HIK Vision NVR Quick Start  
Guide

and

HIK Vision DVR Quick Start  
Guide

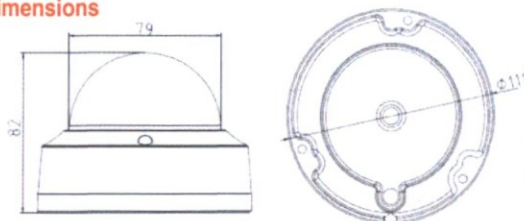
## DS-2CD2122FWD-IS 2 MP WDR Fixed Dome Network Camera



### Key Features

- Up to 2 Megapixel High Resolution
- Full HD1080p Video
- Dual Video Streams
- 2.8 mm, 4 mm, 6 mm Fixed Lens Options
- 120 dB Wide Dynamic Range
- 3D Digital Noise Reduction
- Smart Features
- PoE (802.3af)
- IR Range 100 ft (30 m)
- IP67 and IK10 Protection
- Audio/Alarm Input/Output
- Edge Storage, MicroSD Slot, 128 GB

### Dimensions



### Accessories



AB110  
Angled Base



WM110  
Wall Mount/  
Pendant Cap



WMS + PC110  
Wall Mount +  
Pendant Cap



CB110  
Conduit Base



SRSM  
Sun/Rain Shade

### Order Models

DS-2CD2122FWD-IS

### DS-2CD2122FWD-IS

Camera	
Image Sensor	1/2.8" progressive scan CMOS
Minimum Illumination	Color: 0.028 @ f/2.0, AGC on B/W: 0 lux with IR
Shutter Speed	1/3 s to 1/10,000 s
Lens	2.8 mm, 4 mm, 6 mm options
Angle of View	106° (2.8 mm), 85° (4 mm), 52° (6 mm)
Lens Mount	M12
Day/Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120 dB
Pan/Tilt/Rotation	0° to 355°/0° to 75°/0° to 355°
Compression Standard	
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main profile
Video Bit Rate	32 Kbps to 16 Mbps
Dual Streams	Yes
Audio	G.711/G.722.1/G.726/MP2L2, 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 128 Kbps (MP2L2)
Image	
Maximum Resolution	1920 × 1080
Frame Rate	30 fps 1920 × 1080, 1280 × 960, 1280 × 720
Image Settings	Compression, color, saturation, brightness, contrast, sharpness, rotate mode, privacy mask
Backlight Compensation	Yes, zone configured
Region of Interest (ROI)	Yes
Analytics	
Smart Features	Line crossing detection, intrusion detection
Network	
Network Storage	NAS (supports NFS, SMB/CIFS), ANR
Alarm Triggers	Motion detection, line crossing detection, intrusion detection, tamper alarm, network disconnect, IP address conflict, storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	Three level user authentication, password authorization, HTTPS and SSH certificate, IEEE802.1X, basic and digest authentication, watermark, IP address filtering, log-in lockout
Standards	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
Interface	
Communication	1 RJ-45 10M/100M Ethernet port
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Alarm Interface	1 x alarm I/O
Audio Interface	1 x audio I/O
General	
Operating Conditions	-30° C to 60° C (-22° F to 140° F), humidity 95% or less (non-condensing)
Power	12 VDC ±10%, PoE (802.3af)
Power Consumption	Maximum 5 W, maximum 9 W with pan and tilt
IR Range	100 ft (30 m)
Ingress Protection	IP67
Impact Protection	IK10
Dimensions	Φ111 mm × 82 mm (4.4" × 3.2")
Weight	500 g (1.1 lbs)



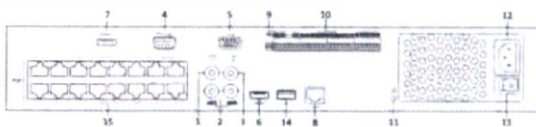
# DS-7716NI-SP/16

## Embedded Plug & Play NVR

### Key Features

- Up to 6 Megapixel Live and Playback Resolution
- 16 IP Camera Inputs, 100 Mbs Bandwidth
- Supports H.264+ and H.264
- Independent HDMI and VGA Outputs
- 1920 x 1080 Resolution
- Plug and Play with 16 Independent PoE Connections
- 4x SATA HDD, 6 TB Capacity, DVD-RW Option
- Alarm and Audio I/O

### Rear Panel of DS-7700NI-SP



1. Video out
2. CVBS audio out and VGA audio out
3. Line in
4. RS-232 interface
5. VGA interface
6. HDMI interface
7. eSATA interface
8. LAN interface
9. Termination switch
10. RS-485 interface, controller port, Alarm in and alarm out
11. Ground
12. 100 VAC to 240 VAC
13. Power
14. USB interface
15. Network interfaces with PoE function

### Order Models

DS-7716NI-SP/16

DS-7716NI-SP/16	
Video/Audio Input	
IP Video Input	16-ch
Two-Way Audio Input	1-ch, BNC (2.0 Vp-p, 1k $\Omega$ )
Network	
Video Compression	H.264+, H.264
Incoming Bandwidth	100 Mbps
Outgoing Bandwidth	240 Mbps
Remote Connection	128
Video/Audio Output	
Recording Resolution	6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Frame Rate	Main stream: 30 fps Sub-stream: 30 fps
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 $\Omega$ ) Resolution: 704 x 480
HDMI Output	1-ch, resolution: 1920 x 1080p/1920 x 1080p/1280 x 1024/1280 x 720/1024 x 768
VGA Output	1-ch, resolution: 1920 x 1080p/60 Hz, 1600 x 1200/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz, 1024 x 768/60 Hz
Audio Output	2-ch, BNC (linear, 600 $\Omega$ )
Decoding	
Live View/Playback Resolution	6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Capability	10-ch @ 720p, 5-ch @ 1080p
Hard Disk	
SATA	4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4 HDDs
eSATA	1 eSATA interface
Capacity	Up to 6 TB capacity for each HDD
External Interface	
Network Interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Serial Interface	RS-232, RS-485, keyboard
USB Interface	3 x USB 2.0
Alarm In/Out	16/4
PoE	
Interface	16 independent 100 Mbps PoE network interfaces
Maximum Power	200 W
Supported Standard	802.3af, 802.3at
Others	
Power Supply	100 to 240 VAC, 6.3 A, 50 to 60 Hz
Consumption	$\leq 40$ W
Working Temperature	-10° C to +55° C (14° F to 131° F)
Working Humidity	10% to 90%
Chassis	19-inch rack-mounted 1.5U chassis
Dimensions (W x D x H)	445 mm x 390 mm x 70 mm (17.52" x 15.35" x 2.76")
Weight	$\leq 4$ kg/8.8 lb (without hard disk or DVD-R/W)

# **Addendum #6**

## **Panic Button Procedure**

## 5869

### HOLD-UP SWITCH/TRANSMITTER



The 5869 Hold-Up Switch/Transmitter is a finger-operated RF transmitting device. It is typically mounted under a counter or money draw for inconspicuous operation. When the transmitter is activated, it emits an RF signal to the receiver. The security system control panel sends a burglary alarm to the central station when a RF signal is received from an enrolled Hold-Up Switch/Transmitter.

Once activated, the 5869 Hold-Up Switch/Transmitter can only be reset by the reset key. The 5869 also incorporates tamper switches that are activated when the cover is removed, or if the unit is forcibly removed from its installation location.

## FEATURES

- No wires to run
- Easily mounted
- Includes battery
- Front and back tamper resistant
- Quick enrollment

## SPECIFICATIONS

### Physical

- 1-15/16" W x 5-15/16" H x 1 3/16"D  
(50mm x 150mm x 30mm)

### Frequency

- 345 MHz

### Battery

- 3V Lithium ADEMCO 466  
or equivalent

### Agency Listings

- UL listed for Household Burg UL 1023, Hold-up Burg UL 636 and CUL 634
- For certified UL commercial installations, use with 5881ENHC tamper-protected wireless receiver

### Compatibility

- Fully compatible with all VISTA Control Panels



# 5869

## HOLD-UP SWITCH/TRANSMITTER

### INSTALLATION

Mount the 5869 under a counter or money drawer for easy access by the cashier. Refer to the steps and figures that follow for typical mounting instructions. Before mounting the 5869 permanently, perform Go/No Go tests to verify adequate transmitter signal strength at desired mounting location (refer to the Security System Control Panel Installation and Setup Guide).

1. Remove the two screws (Figure 1) securing the cover to the 5869 case.

NOTE: The holes located in the opposite corner to the screws that secure the cover to the case, provide a means for securing the transmitter to the counter or drawer.

2. Using the case as a drill template, position the case in the desired location.
3. Drill a 1/16" pilot hole at the breakaway tamper release hole and the two case mounting holes (Figure 2).

4. Attach the case to the counter or money drawer using one No. 6 x 3/4 screw (supplied) at the breakaway tamper release.
5. Install the battery (see BATTERY INSTALLATION/REPLACEMENT).
6. Secure the cover to the case with the two screws removed in step 1.
7. Secure the assembled case to the counter or drawer using the two No. 6 x 2 mounting screws supplied (Figure 2).

### PROGRAMMING

The 5869 Hold-Up Switch/Transmitter should be programmed as a 24-hour silent zone type. Refer to the Security System Control Panel Installation and Setup Guide for programming instructions.

- During programming of the control panel, the 5869 Hold-Up Switch/Transmitter should be treated as "RF" (i.e., supervised RF) Type
- The 5869 is one closed input loop zone (loop 1)

#### Battery Installation/Replacement

1. Remove and retain screws securing the 5869 cover.
  2. Observing correct polarity, insert the battery into the battery holder.
- NOTE: Use care not to bend the antenna while attempting to install battery.
3. Re-install screws to secure cover and/or assembly. Refer to Figure 1.

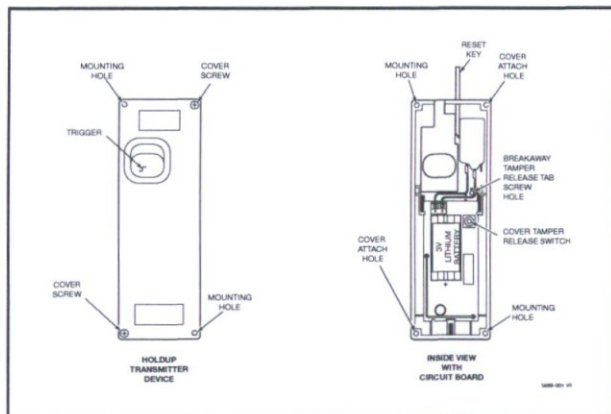


Figure 1

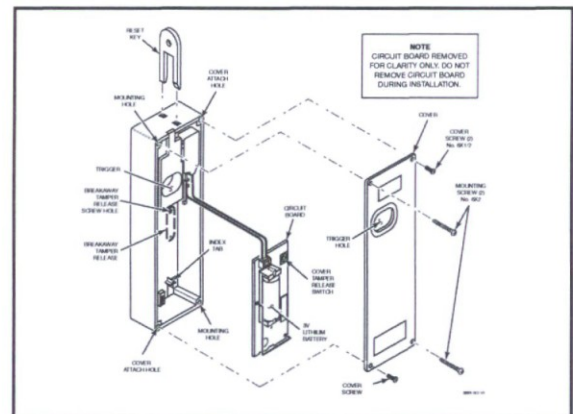


Figure 2

### ORDERING

5869

Hold-Up Switch/Transmitter

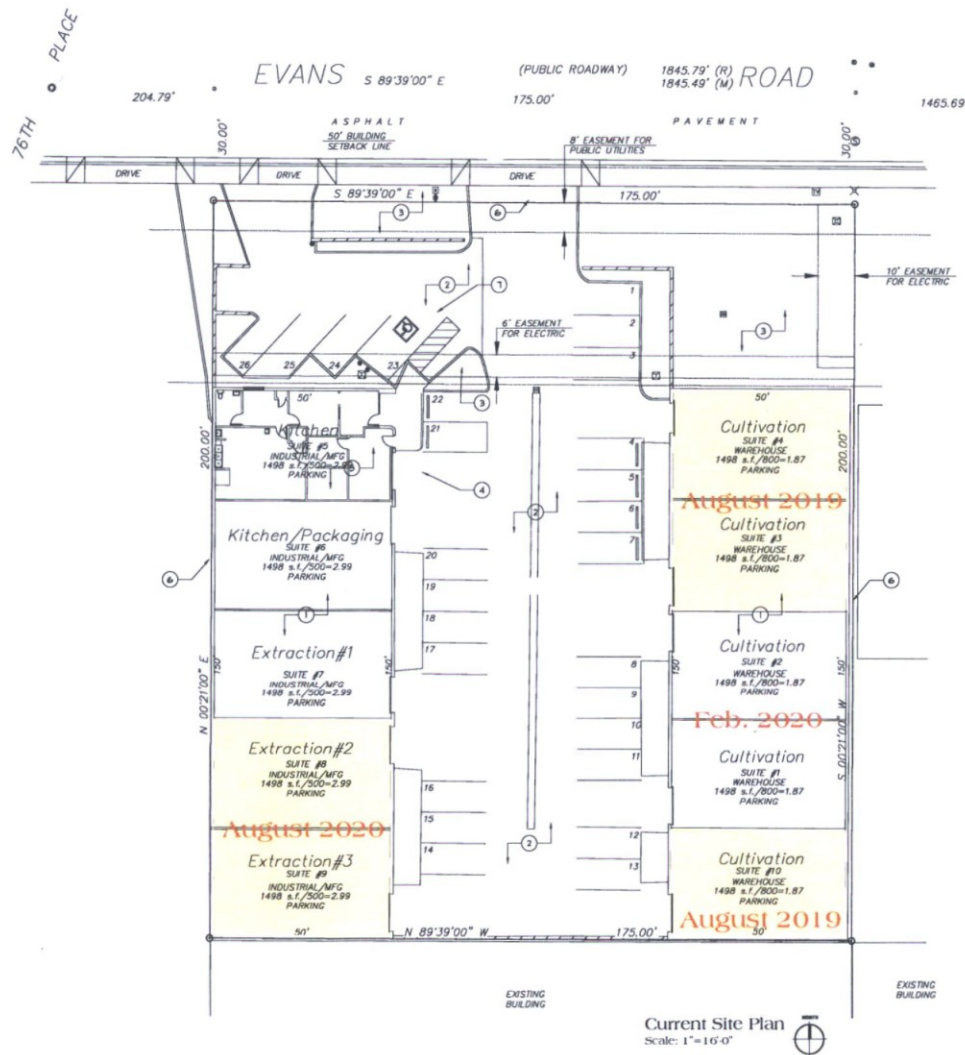
**Automation and Control Solutions**  
Honeywell Security & Communications  
2 Corporate Center Dr. Suite 100  
P.O. Box 9040  
Melville, NY 11747  
[www.honeywell.com](http://www.honeywell.com)

L/5869TRAN/D  
September 2008  
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**Honeywell**

# **Addendum #7**

## **Parking Plan**



#### PROJECT DATA

PROF. OWNER: HOT PROPERTIES, LLC  
PO BOX 3931  
SCOTTSDALE, AZ 85261  
PROJECT ADDRESS: 7655 EAST EVANS ROAD  
SCOTTSDALE, AZ 85265  
TENANT/OCCUPANT: PARC KITCHENS  
LEGAL DESCRIPTION: LOT 488/THUNDERBIRD INDUSTRIAL AIRPARK 4  
ACCORDING TO BOOK 186 OF MAPS, PAGE 44, RECORDS  
OF MARICOPA COUNTY, AZ  
TAX ASSESSOR'S PARCEL NUMBER: 28-56-148A  
ZONING: I-1

TOTAL BUILDING AREA: 24,149 S.F. LEASABLE  
BUILDING #1: 149 S.F.  
BUILDING #2: 149 S.F.

#### PARKING CALCULATIONS

SUITE #	USE	PARKING RATIO	PARKING REQUIRED
1	WAREHOUSE	1.800	149/800=1.81
2	WAREHOUSE	1.800	149/800=1.81
3	WAREHOUSE	1.800	149/800=1.81
4	WAREHOUSE	1.800	149/800=1.81
5	INDUSTRIAL	1.800	149/800=1.81
6	INDUSTRIAL	1.800	149/800=1.81
7	INDUSTRIAL	1.800	149/800=1.81
8	INDUSTRIAL	1.800	149/800=1.81
9	INDUSTRIAL	1.800	149/800=1.81
10	WAREHOUSE	1.800	149/800=1.81
TOTAL			243 REQUIRED/243 PROVIDED

#### KEYNOTES

- EXISTING SINGLE STORY BUILDING.
- EXISTING ASPHALT PARKING AREA.
- EXISTING LANDSCAPE AREA.
- ADDITIONAL/OPTIONAL PARKING SHALL BE THIS LOCATION. SUITE #5 EXISTING OVERHEAD GARAGE DOOR BEING COVERED INSIDE THIS SUITE RECIPIENT IT IS NECESSARY PROVIDING ADDITIONAL PARKING FOR THIS SUITE.
- SUITE #5 EXISTING PARC KITCHEN.
- PROPERTY LINE TYPICAL.
- EXISTING PARKING (STALLS), CURB AND SIDEWALK.

NOSTDAHL LIFTACK  
ARCHITECTS

PARC Commercial Kitchen  
Kitchen Improvements  
7655 East Evans Drive  
Scottsdale Arizona



C.U.P. Site  
Plan

Scale: 1/16" = 1'-0"  
SHEET NO.

A1.0